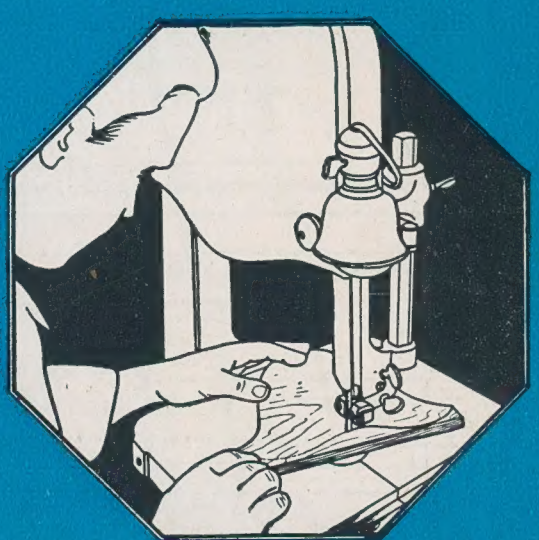
Book No. 4516 15¢

PRACTICAL DELTA PROJECTS

NEW & NOVEL THINGS TO MAKE

BOOK 16



FIFTEEN CENTS

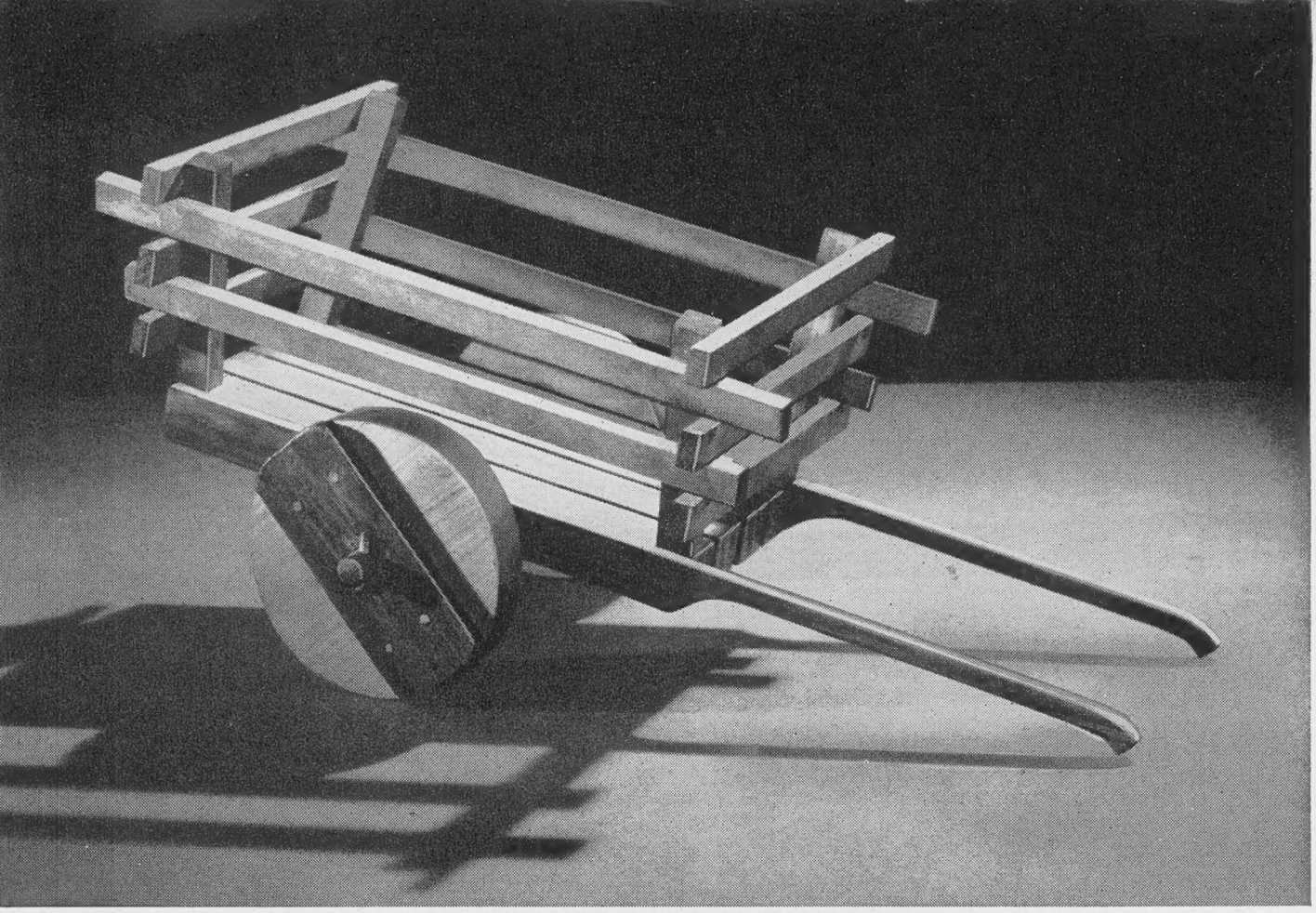
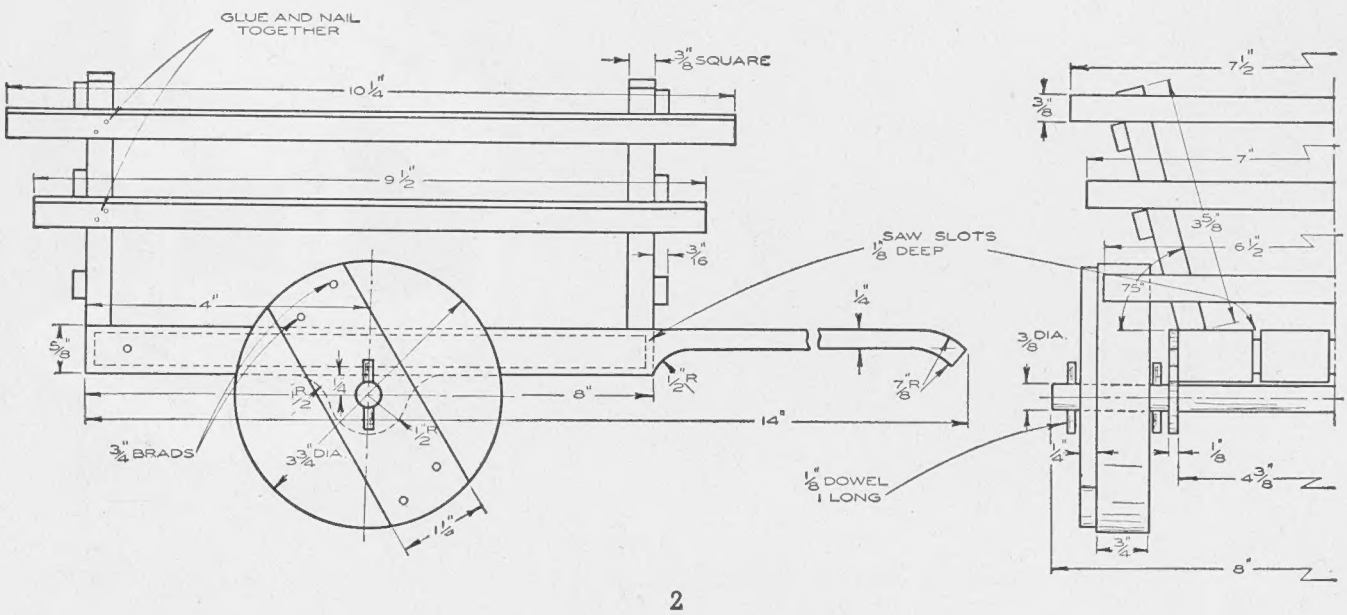
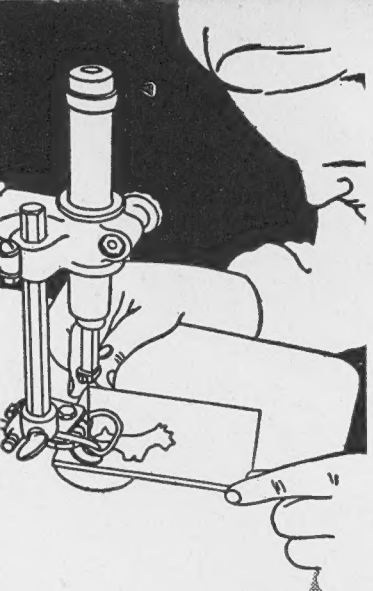


Table CENTERPIECE

☆ The old wooden oxcart which was used many years ago, and was probably the forerunner of the modern trailer forms a dramatic background for flowers or fruit on the dining-room table. A few pieces of scrap wood always available in any home work shop is all that is needed to build this novel centerpiece. A more attractive piece may be had by using contrasting scraps such as walnut and maple. The drawing below shows all of the important dimensions and construction details for building the cart. Added realism may be obtained by sanding the center edges of the side rails to give a worn or aged effect. Finish the cart in its natural wood colors by applying white shellac or by simply applying boiled linseed oil.





A COLLECTION OF

PROJECTS

WHICH APPEARED IN THE 1948-1949 DELTAGRAM

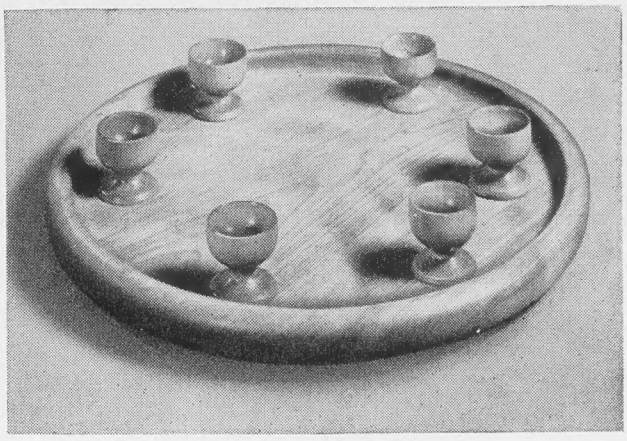
★

BOOK 16

★

A DELTACRAFT® PUBLICATION

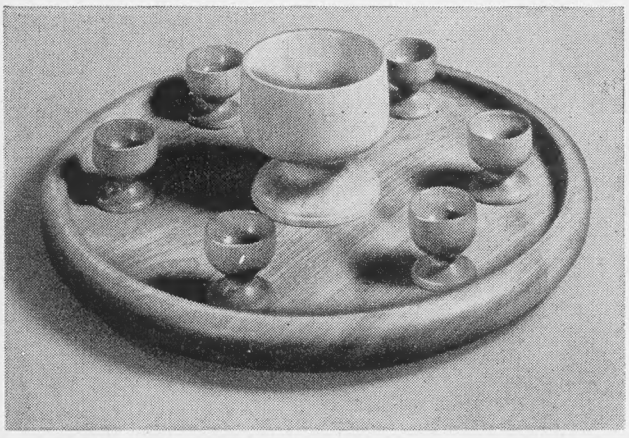
A TURNING PROJECT ... For Your Lathe



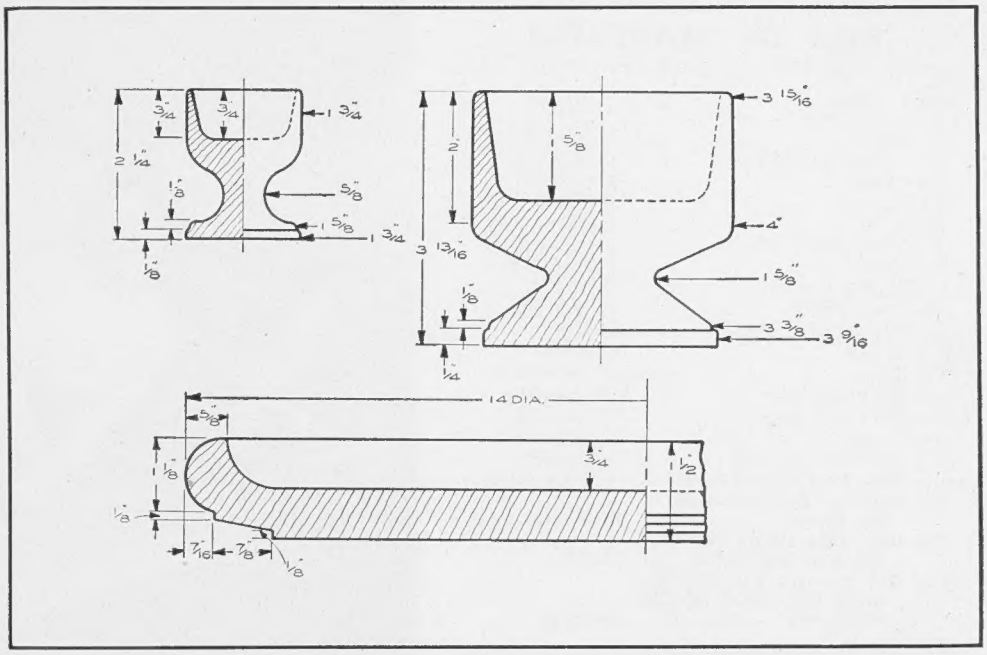
☆ Lathe turning is a fascinating art and therefore any project requiring this type of work is always popular with the home craftsman.

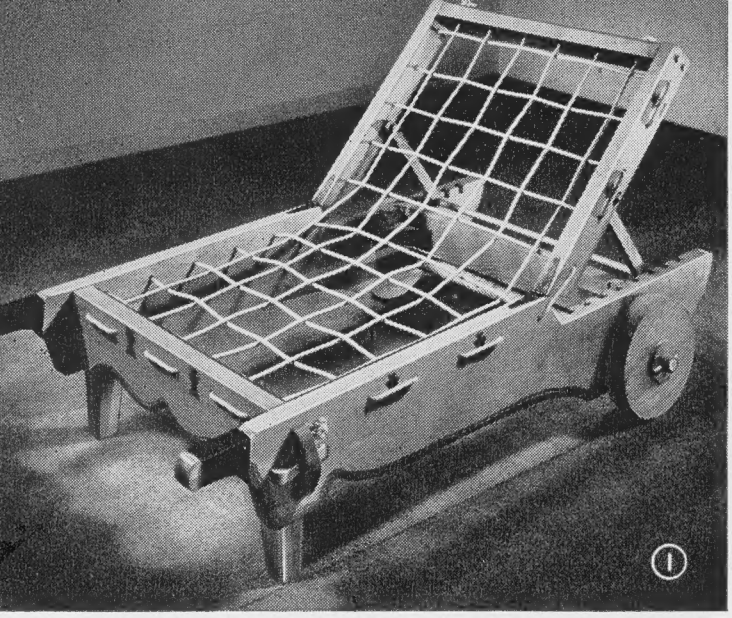
The set shown in the photographs above is a cold-cut server, commonly known in Milwaukee as a "kalte-aufschnitt" tray.

The tray itself is an outboard lathe turning. Fasten the bottom of the tray to the 6" face plate and mount the work on the outboard end of the lathe. Proceed with the turning to the pattern shown in the drawing below. The large center server should be turned by fastening the stock to the 3" face plate and mounting on the inboard end of the lathe. The small servers may be fastened to the screw center for turning.



The entire set should be turned from maple or birch stock. Sand all of the parts while they are still mounted in the lathe. Polish to a perfectly smooth surface and do the finishing before they are removed from the face plates. Finish with pure olive oil rubbed into the surface.



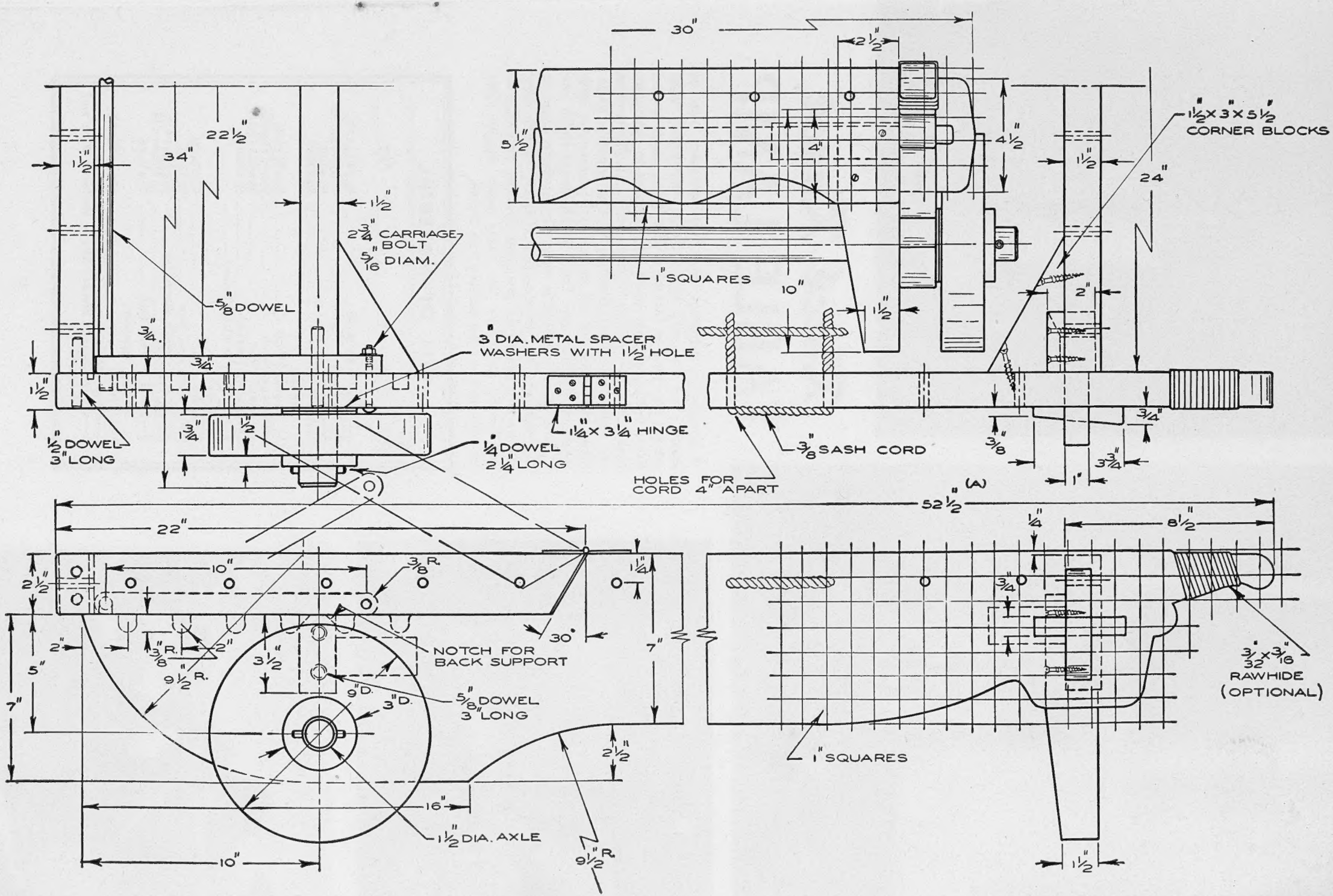


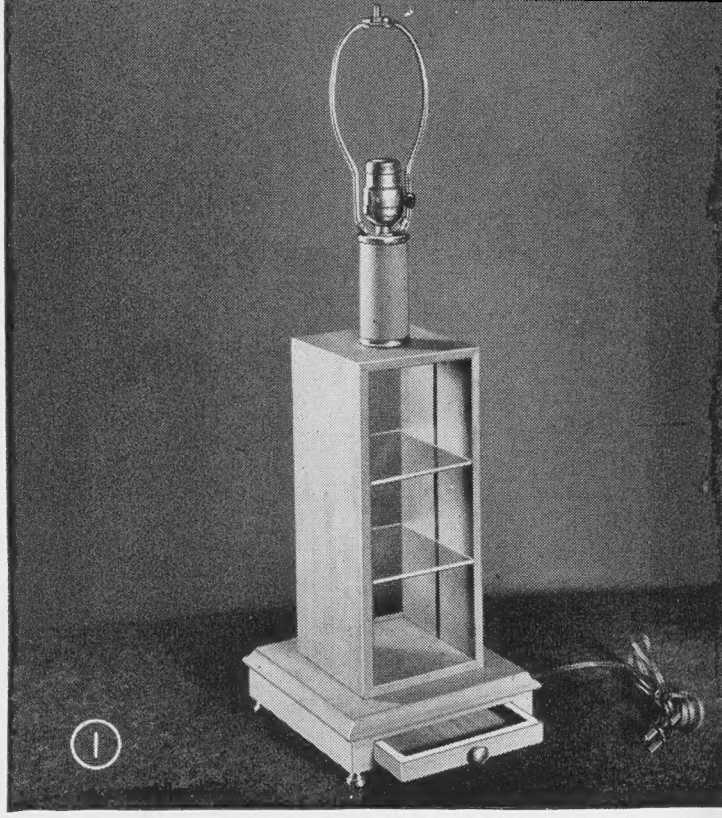
LAWN LOUNGE

☆ A comfortable lounge is a welcome piece of furniture when you wish to rest on your lawn to pass a few moments of your leisure time. All wood parts should be made of cypress, cedar, or pine except the axle and wheels; these should be made of maple or birch. Be sure to sand all edges smooth, or if you want to put a little more time on this project hand adze the edges to effect a hand-made appearance in conformance with old mission type furniture. For a full length model change the dimension A shown on line drawing (opposite page) to 88¼ inches. Finish natural with boiled linseed oil, followed by two coats of good spar varnish. The piece could be decorated with bright colored enamel in a manner similar to the Indian type decoration shown in the above photographs.

BILL OF MATERIAL

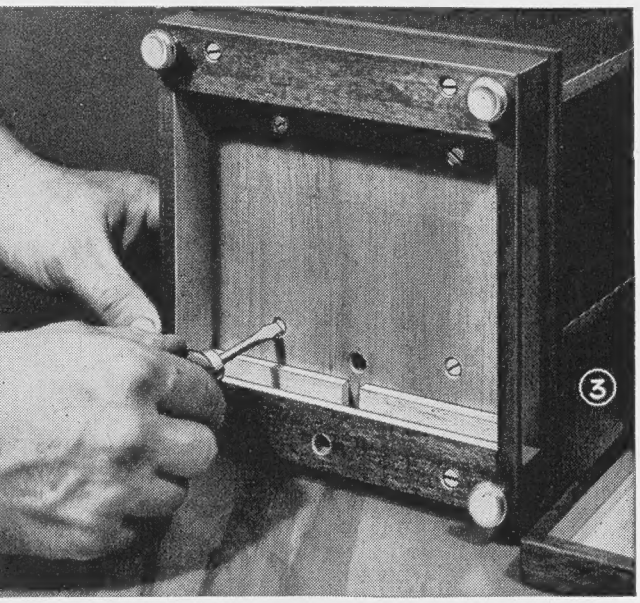
No. Req.	Name	Size
2 —	Side	1½x9½x51½
1 —	Front Cross Piece	1½x5½x30
2 —	Wedge	¾x¾x3¾
2 —	Leg	2x2½x10
1 —	Axle	1½ Diam. x 34
1 —	Back Cross Piece	1½x3½x24
4 —	Dowel	⅝ Diam. x 3
4 —	Corner Blocks	1½x3x5½
2 —	Wood Collars	3 Diam. x ½
4 —	Metal Spacer Washer	3 Diam.
2 —	Wheel	1¾x9x9
2 —	Dowel	¼ Diam. x 2¼
1 —	Back Rest End	1½x2½x2¼
2 —	Back Rest Sides	1½x2½x22
4 —	Dowel	½ Diam. x 3
2 —	Back Rest Support	¾x¾x10¾
1 —	Back Rest Support Dowel	⅝ Diam. x 25½
2 —	Carriage Bolt with Nut and Washer	5/16 Diam. x 2¾
2 —	Back Flap Hinge with 1½ Flt. Hd. Wd. Screw	1¼x3¼
12 —	No. 10 x 1½ Flt. Hd. Wd. Screw Sash Cord for Corner Blocks	⅜ x 55 ft.

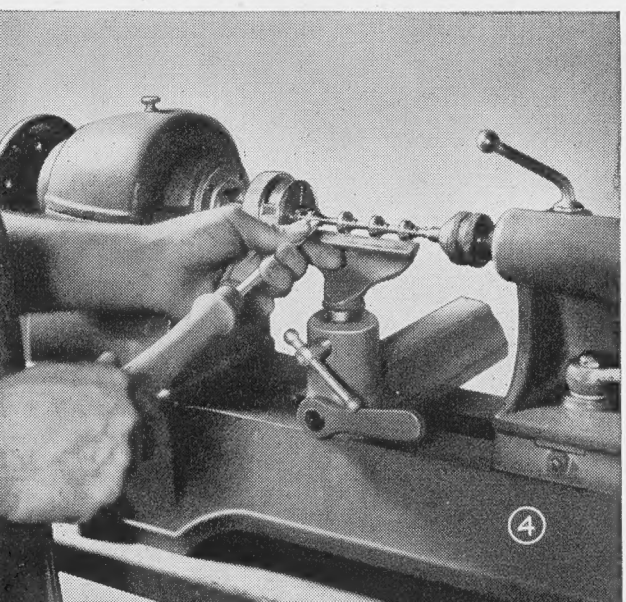

30"
2½"
5½"
4½"
4"
1"SQUARES
10"
1½"
1½"
34"
22½"
1½"
2¾" CARRIAGE BOLT
5/16" DIAM.
5/8" DOWEL
¾"
¾"
1½"
3" DIA. METAL SPACER WASHERS WITH 1½" HOLE
1¼" X 3¼" HINGE
½" DOWEL 3" LONG
1¾"
½"
¼" DOWEL 2¼" LONG
HOLES FOR CORD 4" APART
3/8" SASH CORD
1½" X 3" X 5½" CORNER BLOCKS
24"
2"
¾"
3/8"
3¾"
1"
(A)
52½"
22"
10"
3/8" R.
2½"
2"
3/8" R.
2"
9½" R.
5"
7"
3½"
9" D.
3" D.
5/8" DOWEL 3" LONG
30°
NOTCH FOR BACK SUPPORT
1¼"
7"
2½"
16"
1½" DIA. AXLE
10"
9½" R.
¼"
8½"
¾"
3/32" X 3/16" RAWHIDE (OPTIONAL)
1"SQUARES
1½"



Knick Knack TABLE LAMP

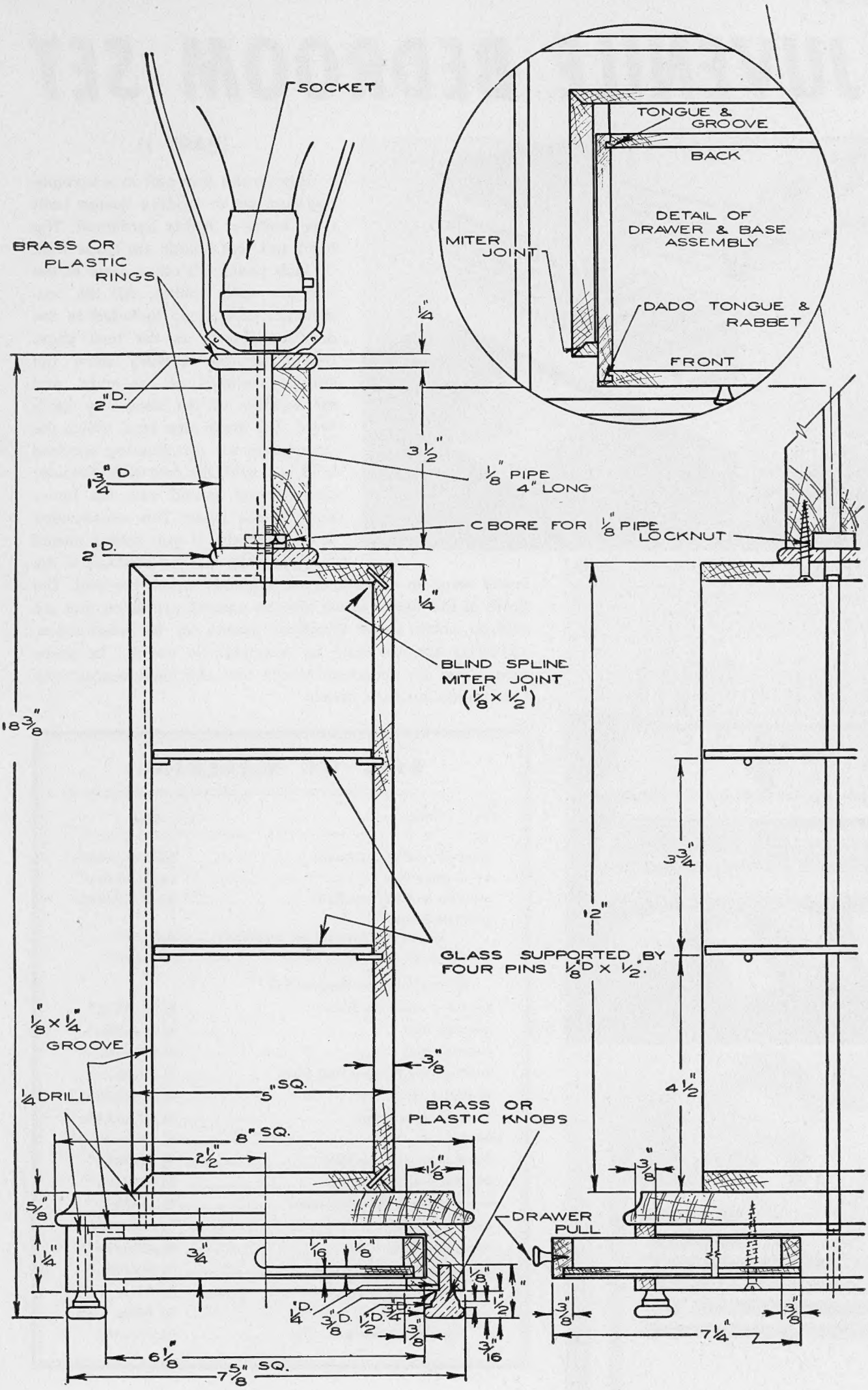
☆ Somewhat different from the ordinary run of lamps, this one will blend itself very nicely with almost any type of furniture. The brass rings, turned brass feet, and door knob add contrast to the lamp. Make of either walnut or mahogany. All dimensions are indicated in the drawing on the opposite page. Sizes shown in the bill of material correspond with those in the drawing. For a professional finish use a dark filler and follow with two or three coats of thin shellac. Thin plastic, approximately ⅛-inch thick can be substituted for the glass shelves. To preserve the bright finish on the brass parts apply clear lacquer with a fine camels hair brush.



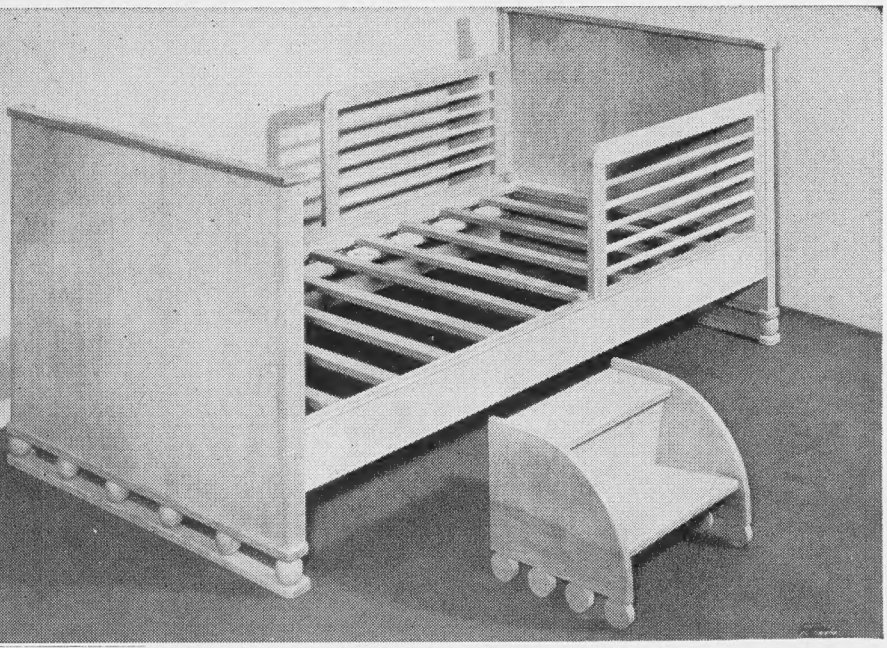


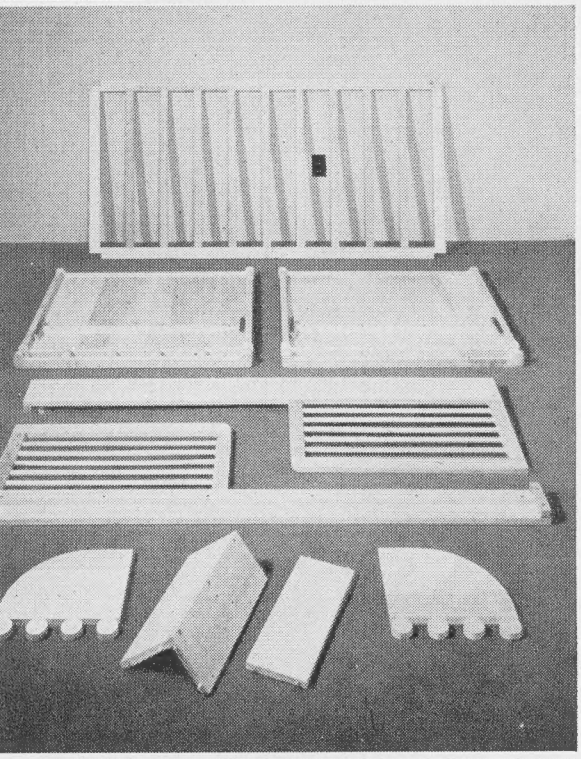
BILL OF MATERIAL

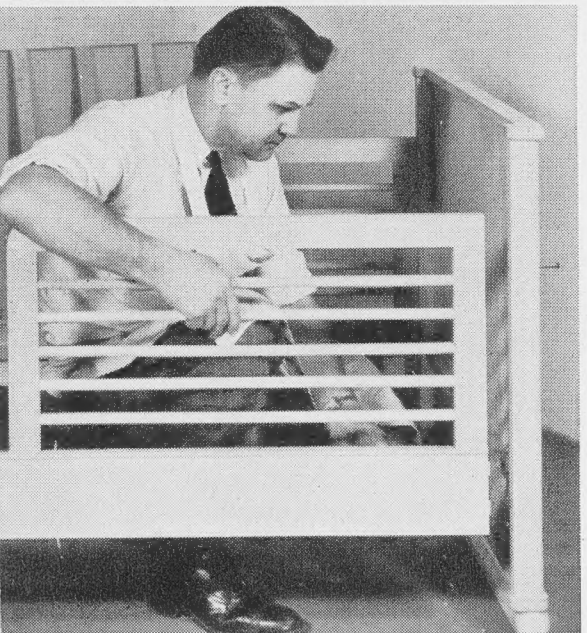
No. Req.	*Name*	*Size*
	Base:	
2	Front and Back	⅜x1¼x7⅝
2	Side	1⅛x1¼x7⅝
1	Top	⅝x8x8
4	Feet (brass)	¾x¾x1
	Drawer:	
1	Drawer Front	⅜x¾x6⅛
1	Drawer Back	⅜x9/16x5⅝
2	Drawer Side	⅜x¾x7⅛
1	Drawer Bottom	⅛x7x5⅝
1	½ Drawer Pull (brass)	
	Body:	
2	Side	⅜x5x12
2	Bottom and Top	⅜x5x5
2	Shelve (single strength)	⅛x4¼x4¼
8	Pin (brass)	⅛ Diam. x ½
4	Blind Spline Stock	⅛x½x4
	Fixture Support:	
1	Column	1¾x1¾x3½
2	Rings (brass)	¼x2x2
1	Lamp Jacket; Shade; Shade Fixture; Pipe and Locknut	


SOCKET
BRASS OR PLASTIC RINGS
TONGUE & GROOVE
BACK
DETAIL OF DRAWER & BASE ASSEMBLY
MITER JOINT
DADO TONGUE & RABBET
FRONT
1/4"
2" D.
3 1/2"
1 3/4" D
1/8" PIPE 4" LONG
C BORE FOR 1/8" PIPE LOCKNUT
2" D.
1/4"
BLIND SPLINE MITER JOINT (1/8" x 1/2")
18 3/8"
3 3/4"
12"
GLASS SUPPORTED BY FOUR PINS 1/8" D x 1/2".
1/8" x 1/4" GROOVE
3/8"
1/4" DRILL
5" SQ.
BRASS OR PLASTIC KNOBS
8" SQ.
2 1/2"
1 1/8"
3/8"
4 1/2"
5/8"
1/4"
3/4"
1/16"
1/8"
DRAWER PULL
1/8"
1/2"
1/4" D.
3/8" D.
1/2" D.
3/4" D.
3/8"
3/16"
6 1/8"
7 5/8" SQ.
7 1/4"

JUVENILE BEDROOM SET





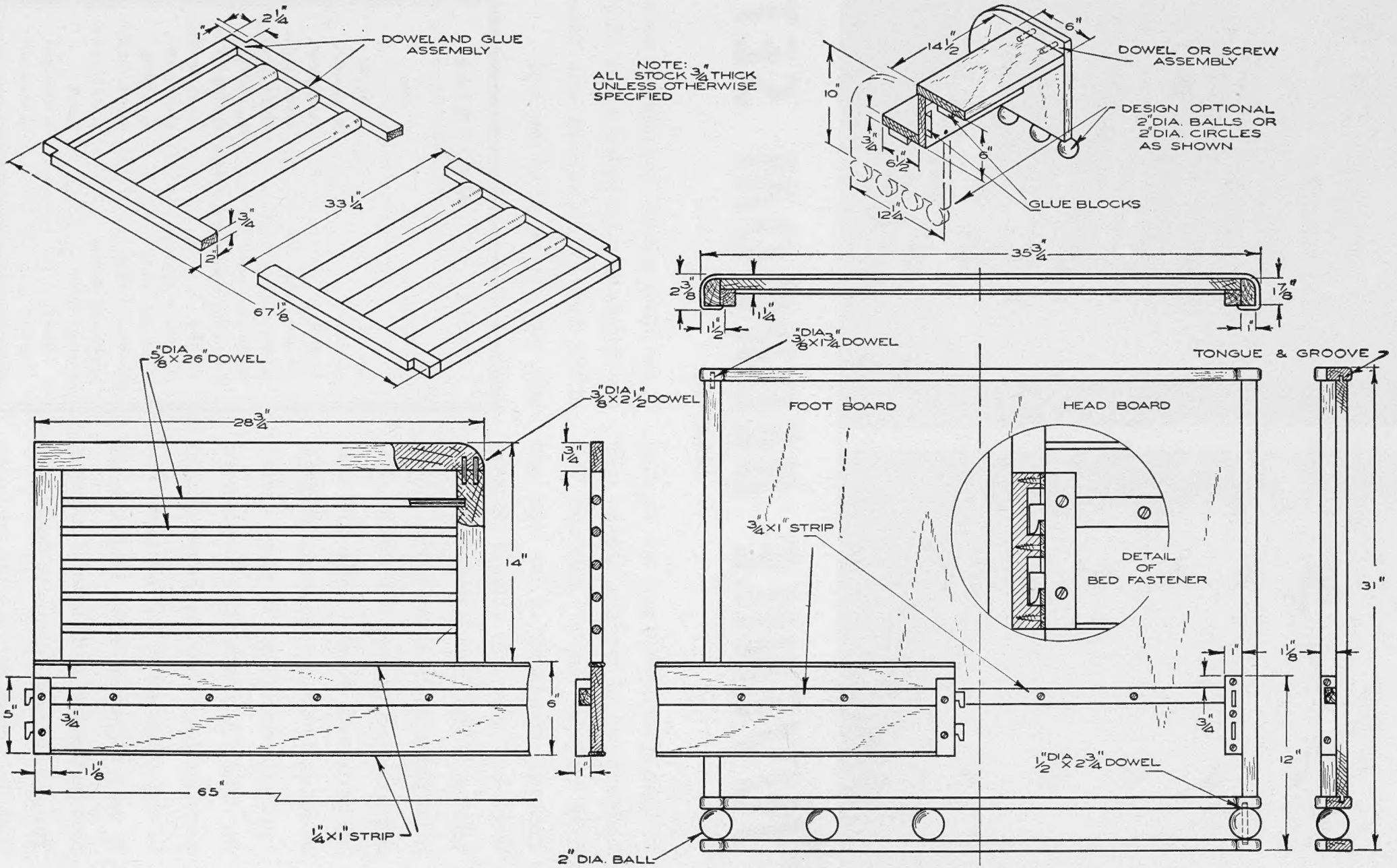


(PART I)

☆ Here is the first part in a juvenile bedroom set of modern design built from birch or maple hardwood. The head and foot boards are made from ¾ inch panel; all other parts of the bed are solid lumber. All the construction details are included in the drawing shown on the next page. Details of the drawing show the various methods of assembly, and the location of the necessary hardware. The small step stool which the youngsters use for climbing into bed is shown with the two inch diameter circles band sawed onto the lower edge of the sides. This construction is optional and if you prefer turned wooden balls may be attached to the lower edge, in order to more perfectly match the bed. The finish of this bedroom set may be natural, providing you are able to obtain good matching panels for its construction, otherwise the set may be enameled in colors. In either case it may be decorated on the foot and head boards with appropriate nursery decals.

BILL OF MATERIAL

No. Req.	*Name*	*Size*
2—	Foot and Head Board	¾x27¼x33¼"
4—	Corner Post	1x1⅞x33¼"
6—	Top and Bottom Rails	¾x2⅜x35¾"
1—	Ball Stock (Includes Material for 16 Balls)	2x2x36"
8—	Block for Rail Fastener	1x1⅛x5"
	Mattress Frame Support For:	
2—	Head and Foot Board	¾x1x31¼"
2—	Side Rail	¾x1x62¾"
2—	Side Rail	¾x5½x65"
4—	Top and Bottom Rail Strip	¼x1x65"
4—	Safety Rail Top	¾x1¾x28¾"
4—	Safety Rail Side	¾x1¾x12¼"
10—	Dowel	⅝ Diam. x 26"
2—	Mattress Frame End	¾x2x29¼"
2—	Mattress Frame Side	¾x2x67⅛"
9—	Mattress Frame Stretcher	¾x2x29¼"
2—	Stool Side	¾x12x12¼"
1—	Lower Step	¾x6½x14½"
2—	Upper Step and Riser	¾x6x14½"
	Dowel	⅜ Diam. x 144"
	Dowel	½ Diam. x 20"
	Glue Block Stock	¾x¾x36"


DOWEL AND GLUE ASSEMBLY
NOTE: ¾" ALL STOCK ¾" THICK UNLESS OTHERWISE SPECIFIED
DOWEL OR SCREW ASSEMBLY
DESIGN OPTIONAL 2" DIA. BALLS OR 2" DIA. CIRCLES AS SHOWN
GLUE BLOCKS
5/8" DIA X 26" DOWEL
3/8" DIA X 2½" DOWEL
3/8" DIA X 1¼" DOWEL
TONGUE & GROOVE
FOOT BOARD
HEAD BOARD
¾" X 1" STRIP
DETAIL OF BED FASTENER
½" DIA X 2¾" DOWEL
¼" X 1" STRIP
2" DIA. BALL

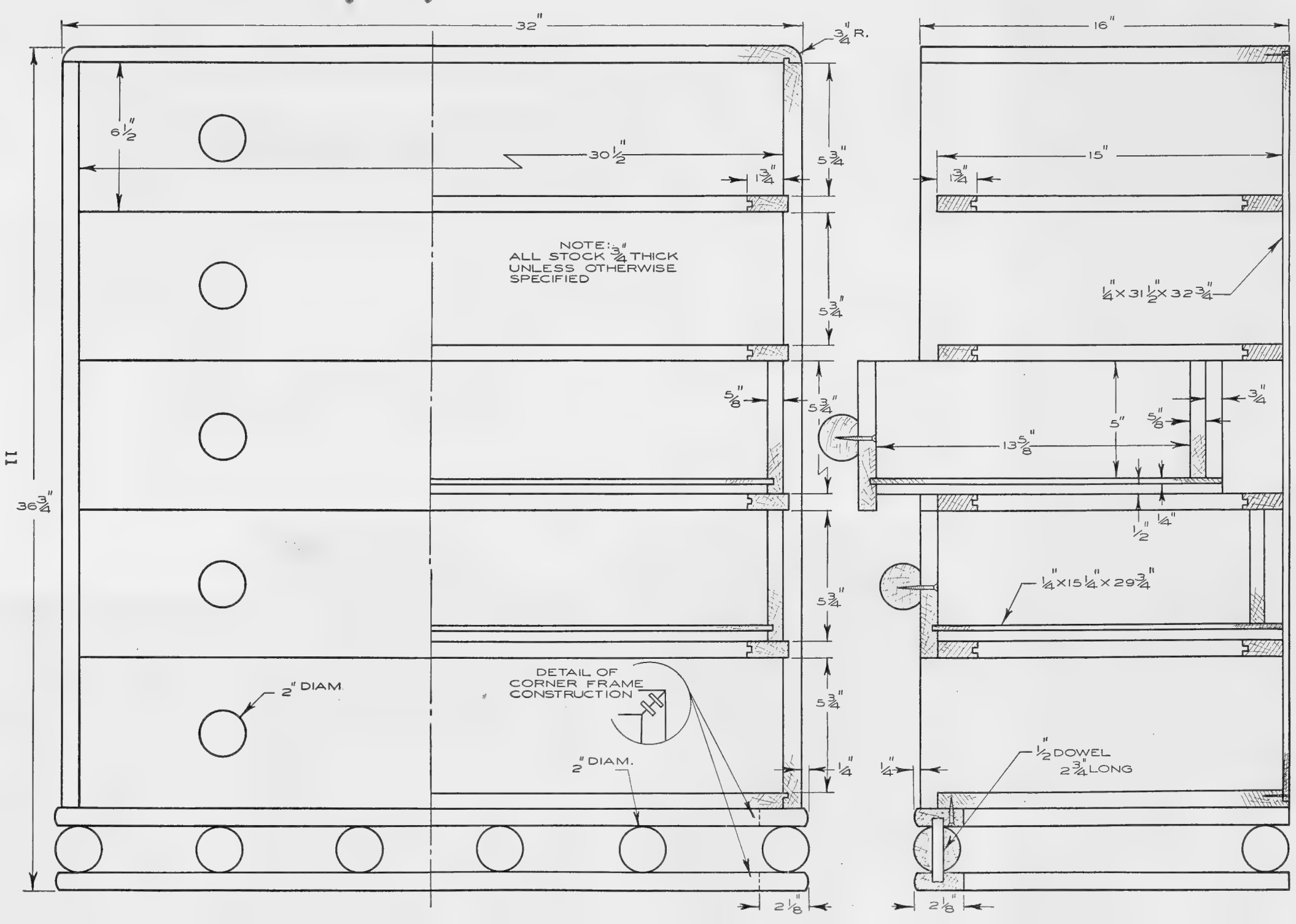
JUVENILE BEDROOM SET

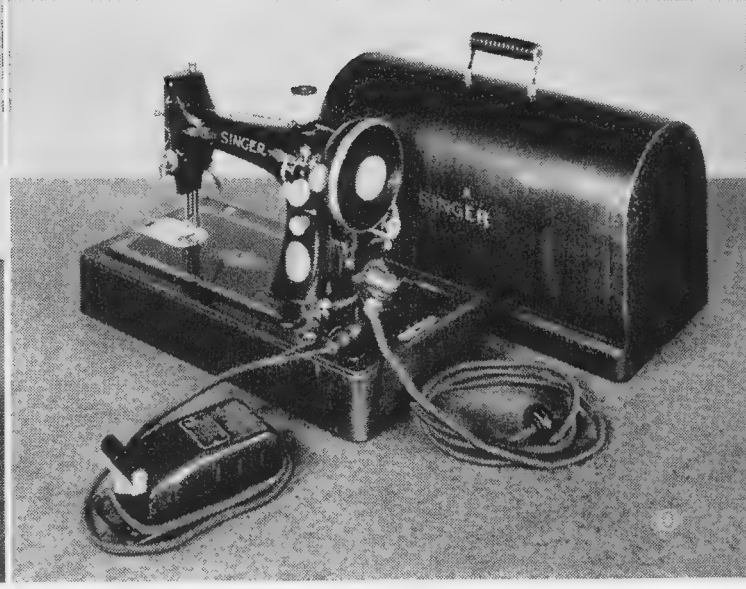
(PART II)

☆ Here is the second part in a juvenile bedroom set of modern design built from birch or maple hardwood. The first part consisting of the bed and stool was shown in volume 18 issue number 3. The chest of drawers shown in the photographs above have a matching base and drawer pull design, featuring turned wooden balls. The construction details are shown in the drawing on the next page. Be sure to select the lumber and especially the plywood panel so that it matches the panel used in the construction of the bed. This is very important if the bedroom set is to be finished in its natural coloring. The drawer construction is flush front with the frames set back the thickness of the front panels. Appropriate nursery decals may be added to the front of the chest of drawers as was done with the foot board of the bed.

BILL OF MATERIAL

No. Req.	*Name*	*Size*
1	Top	¾x16x32
2	Side	¾x16x32¾
1	Bottom	¾x15¼x31
4	Base Frame Side	¾x2⅛x16¼
2	Base Frame Front	¾x2⅛x32½
8	Drawer Frame Side	¾x1¾x11½
8	Drawer Frame Front & Back	¾x1¾x31
1	Back	¼x31½x32¾
5	Drawer Front	¾x6½x30½
5	Drawer Back	⅝x5x29¾
10	Drawer Side	⅝x5¾x15½
5	Drawer Bottom	¼x15¼x29¾
18	Ball Stock	2x2x2
	Dowel	½ Diam.x23
	Dowel	⅜ Diam.x19


32"
3/4" R.
16"
6 1/2"
30 1/2"
1 3/4"
5 3/4"
15"
NOTE: ALL STOCK 3/4" THICK UNLESS OTHERWISE SPECIFIED
1/4" X 31 1/2" X 32 3/4"
5/8"
5"
3/4"
13 5/8"
1/2"
1/4"
1/4" X 15 1/4" X 29 3/4"
36 3/4"
2" DIAM.
DETAIL OF CORNER FRAME CONSTRUCTION
1/2" DOWEL 2 3/4" LONG
2 1/8"

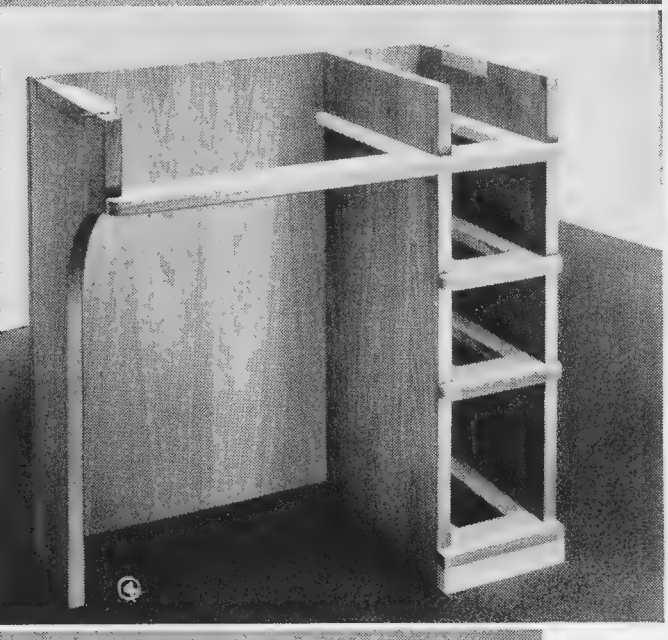


MODERN SEWING MACHINE CABINET

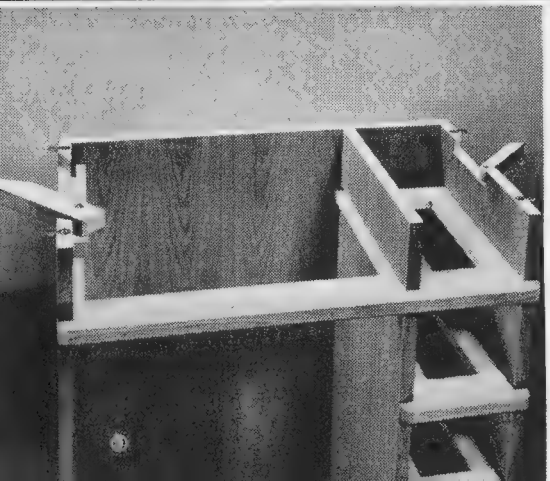
☆ The cabinet shown on this page was made to convert an old portable machine into a popular desk model of today. Any of the hardwood panels, walnut, mahogany, or oak will make up a neat cabinet. It should be ¾ inch thick with both sides good. All necessary dimensions given in the drawing on the opposite page are for the standard small model machine. Some of these may have to be changed to suit the individual's machine. Regular loose pin butt hinges can be used on the top instead of the ones shown in the photograph. The drawers are of the conventional type of construction. For a rich, satin-like finish, apply two or three coats of white shellac followed by a coat of semi-gloss varnish rubbed down with pumice stone and oil.

BILL OF MATERIAL

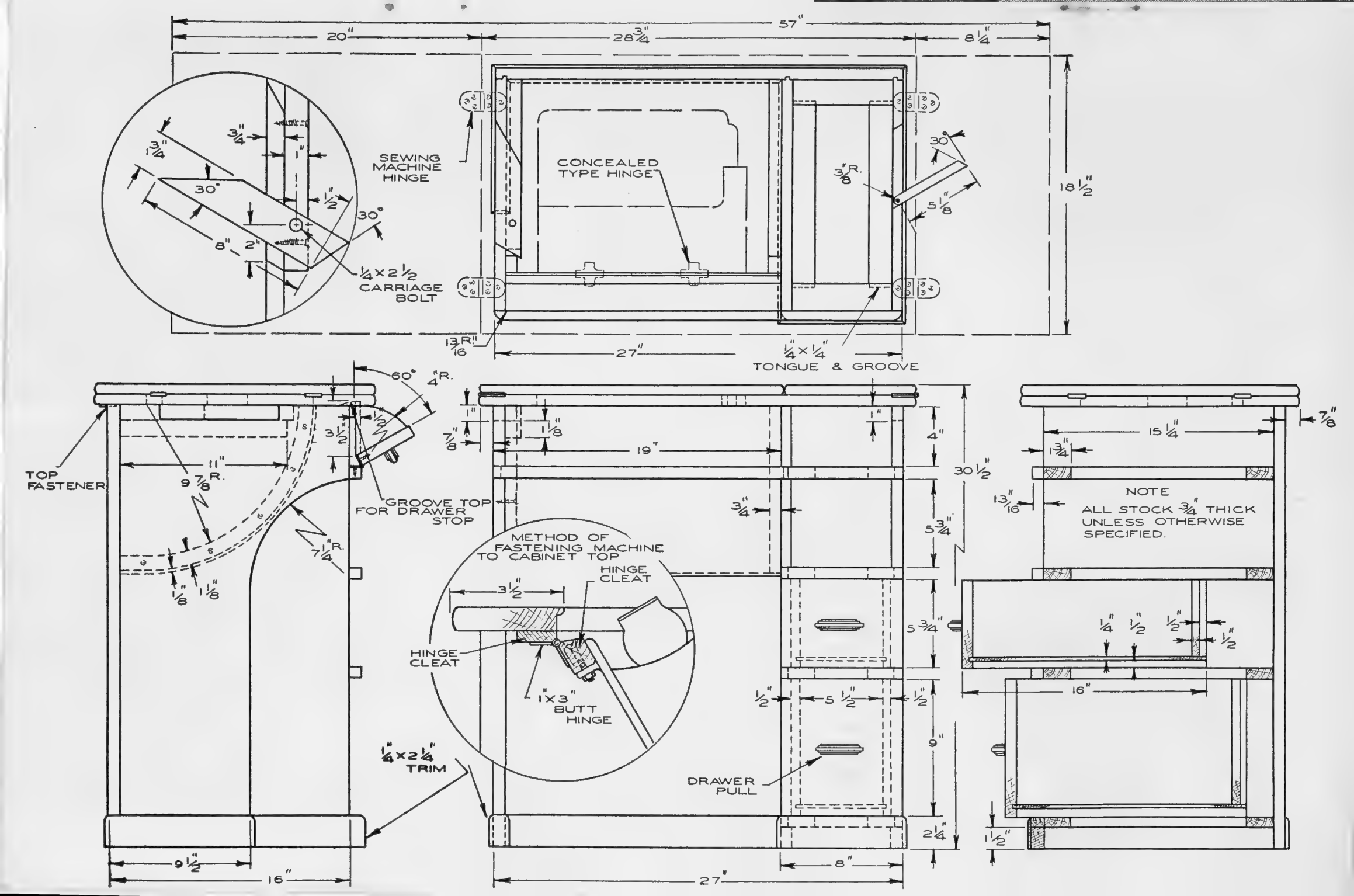
No. Req'd.	Name	Size
3	Left, Right, and Center Uprights	¾x15½x29
1	Back	¾x27x29
8	Drawer Slide Frame Sides	¾x1¾x12¼
8	Drawer Slide Frame Fronts & Backs	¾x1¾x7
1	Drawer Slide Frame Fronts	¾x1¾x18¾
3	Drawer Slide Frame Facings	¾x13/16x8
1	Drawer Slide Frame Facings	¾x13/16x27
1	Filler Block (Pine)	¾x1½x8
1	Filler Front	¾x4x8
2	Filler Front	¾x5¾x8
1	Filler Front	¾x9x8
1	Filler Front	¾x4x19
2	Filler Sides	½x4x15½
4	Filler Sides	½x5¾x15½
2	Filler Sides	½x9x15½
2	Filler Sides	½x4x3½
1	Filler Back	½x3¼x6
2	Filler Back	½x5x6
1	Filler Back	½x8¼x6
1	Filler Back	½x3½x17¾
4	Filler Bottoms (Plywood)	¼x6x15½
1	Bottom Trim	¼x2¼x110
1	Top	¾x18½x28¾
1	Top Cover	¾x18½x20
1	Top Cover	¾x18½x8¼
1	Top Cover Support (Left Side)	1x1¾x9
1	Top Cover Support (Right Side)	¾x1x5½
1	Top Cover Support Cleat	1x1⅛x11
1	Dust Pan (Plywood)	⅛x18¼x20
2	Dust Pan Cleats	¾x4½x16¾



● *Photo No. 1 shows the old machine before it was converted into the modern desk model in photo No. 2 and No. 3.*



● *Note the drawer frame construction and the disappearing folding top supports in photos No. 4 and No. 5.*


57"
20"
28 3/4"
8 1/4"
18 1/2"
SEWING MACHINE HINGE
CONCEALED TYPE HINGE
3/8" R.
30°
5 1/8"
1 3/4"
3/4"
1"
1 1/2"
30°
8"
2"
1/4 x 2 1/2 CARRIAGE BOLT
13/16" R.
27"
1/4" x 1/4" TONGUE & GROOVE
60°
4" R.
3 1/2"
1/2"
11"
9 7/8" R.
7 1/4" R.
1/8"
1 1/8"
TOP FASTENER
GROOVE TOP FOR DRAWER STOP
7/8"
1"
1 1/8"
19"
4"
5 3/4"
5 3/4"
9"
2 1/4"
30 1/2"
METHOD OF FASTENING MACHINE TO CABINET TOP
HINGE CLEAT
3 1/2"
HINGE CLEAT
1"x3" BUTT HINGE
1/2"
5 1/2"
1/2"
DRAWER PULL
1"x2 1/4" TRIM
9 1/2"
16"
8"
27"
7/8"
15 1/4"
1 3/4"
13/16"
NOTE
ALL STOCK 3/4" THICK UNLESS OTHERWISE SPECIFIED.
1/4"
1/2"
1/2"
1/2"
16"
1 1/2"

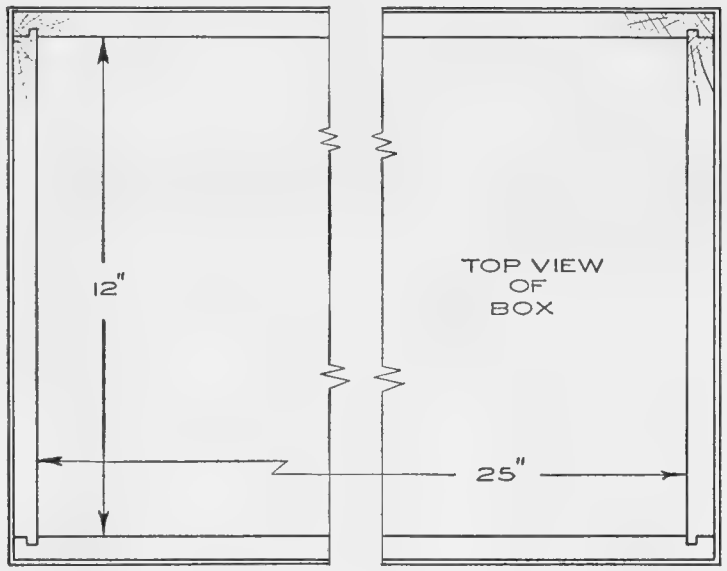
COMBINATION HASSOCK AND VACUUM CLEANER STORAGE BOX

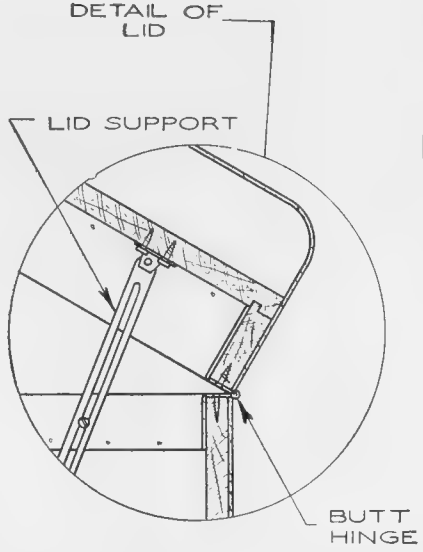
☆ A very practical project which serves a dual purpose. It was primarily designed as a storage box for a tank type vacuum cleaner, but could be used as a toy chest, storing of blankets, or even record albums. The box is made from ¾ inch fir plywood, although solid stock could be used. For complete working details, refer to drawing on opposite page. Foam rubber padding covered with plastic upholstery in bright red color was used. This material will not flex or fold, is practically immune to effects of oil, grease, acids, etc. For that professional touch, brass hammered nails were used for the line design on the front and sides of the box.

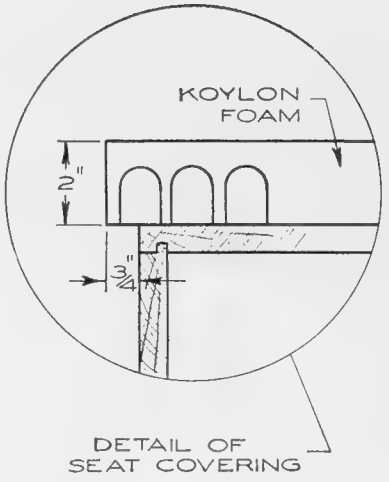
☆ ☆ ☆

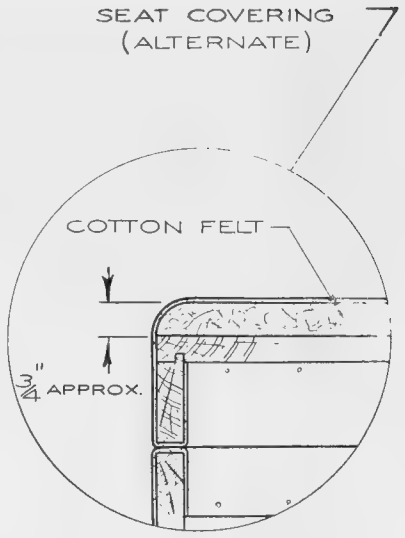
Standard adjustable type tool holder clips (large size) were used for holding the cleaner attachments to the under side of the lid cover (left, below).

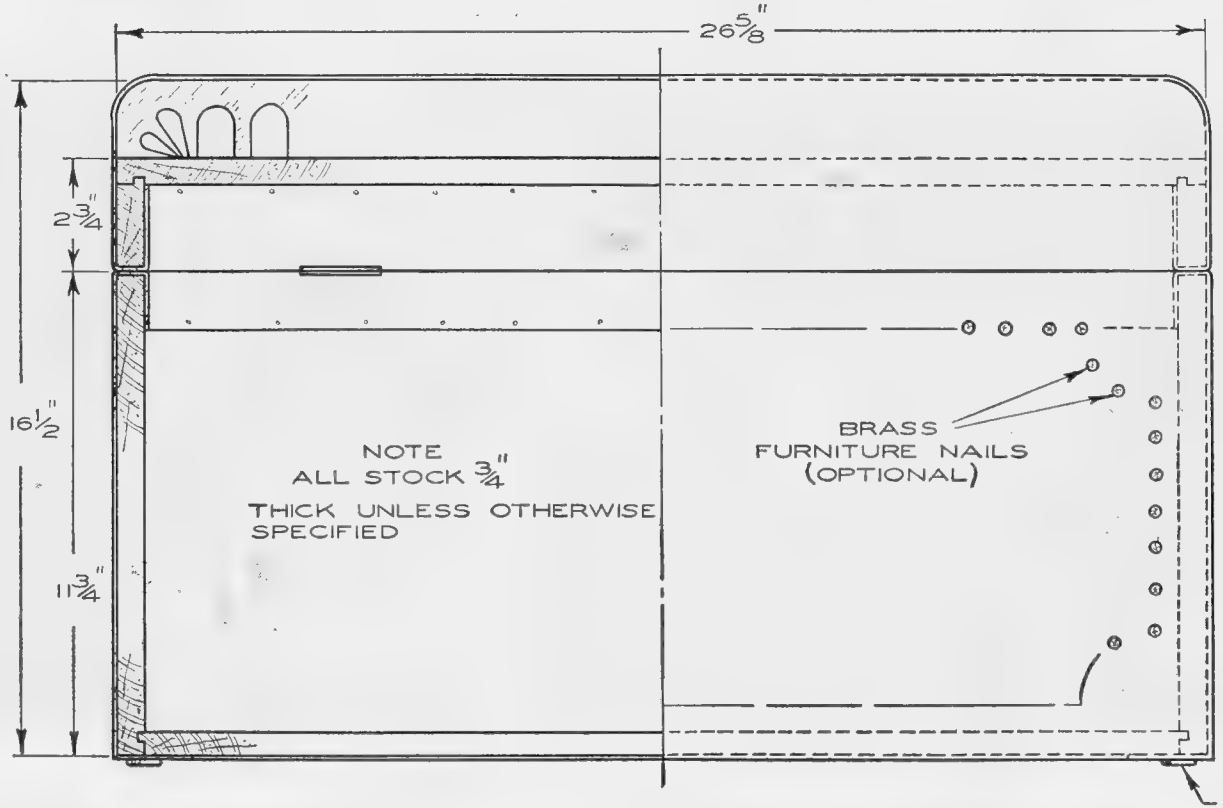
Photo below (right) shows how the box is cut open on the circular saw after it has been nailed and glued together. When assembling the box, make sure no nails will interfere with saw cuts.

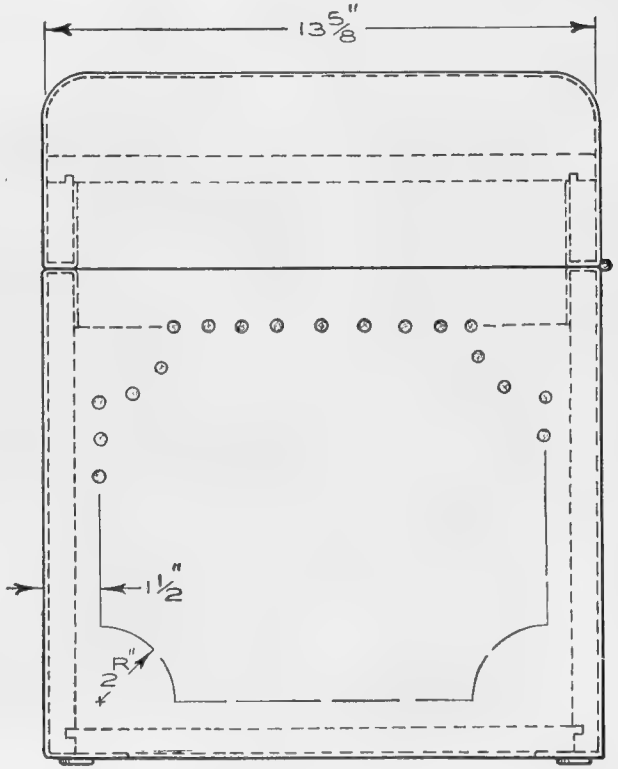

12"
TOP VIEW
OF
BOX
25"


DETAIL OF
LID
LID SUPPORT
BUTT
HINGE


KOYLON
FOAM
2"
3/4"
DETAIL OF
SEAT COVERING

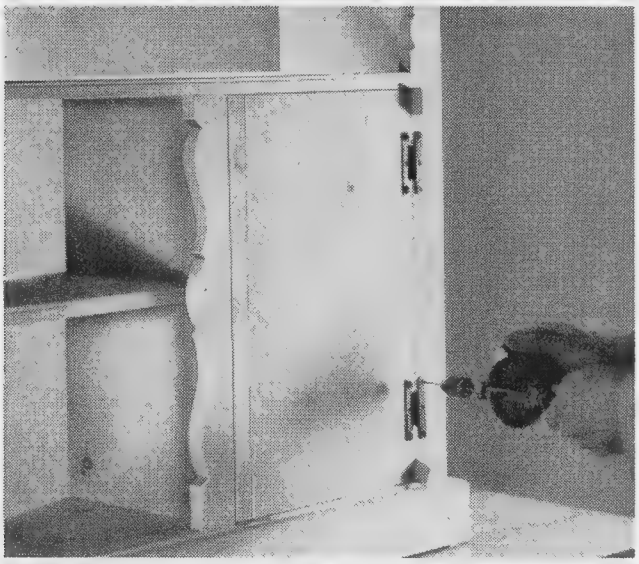

DETAIL OF
SEAT COVERING
(ALTERNATE)
COTTON FELT
3/4" APPROX.


26 5/8"
2 3/4"
16 1/2"
11 3/4"
NOTE
ALL STOCK 3/4"
THICK UNLESS OTHERWISE
SPECIFIED
BRASS
FURNITURE NAILS
(OPTIONAL)
FURNITURE GLIDE

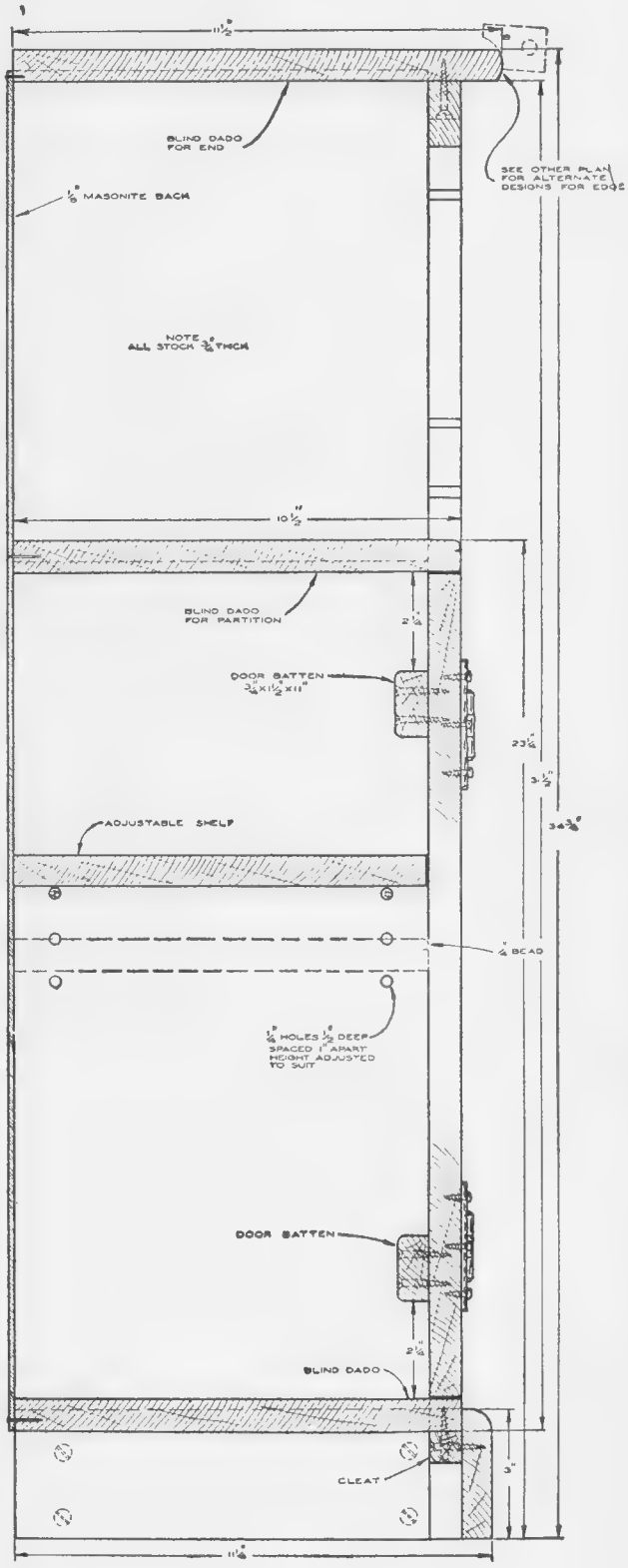

13 5/8"
1 1/2"
2" R

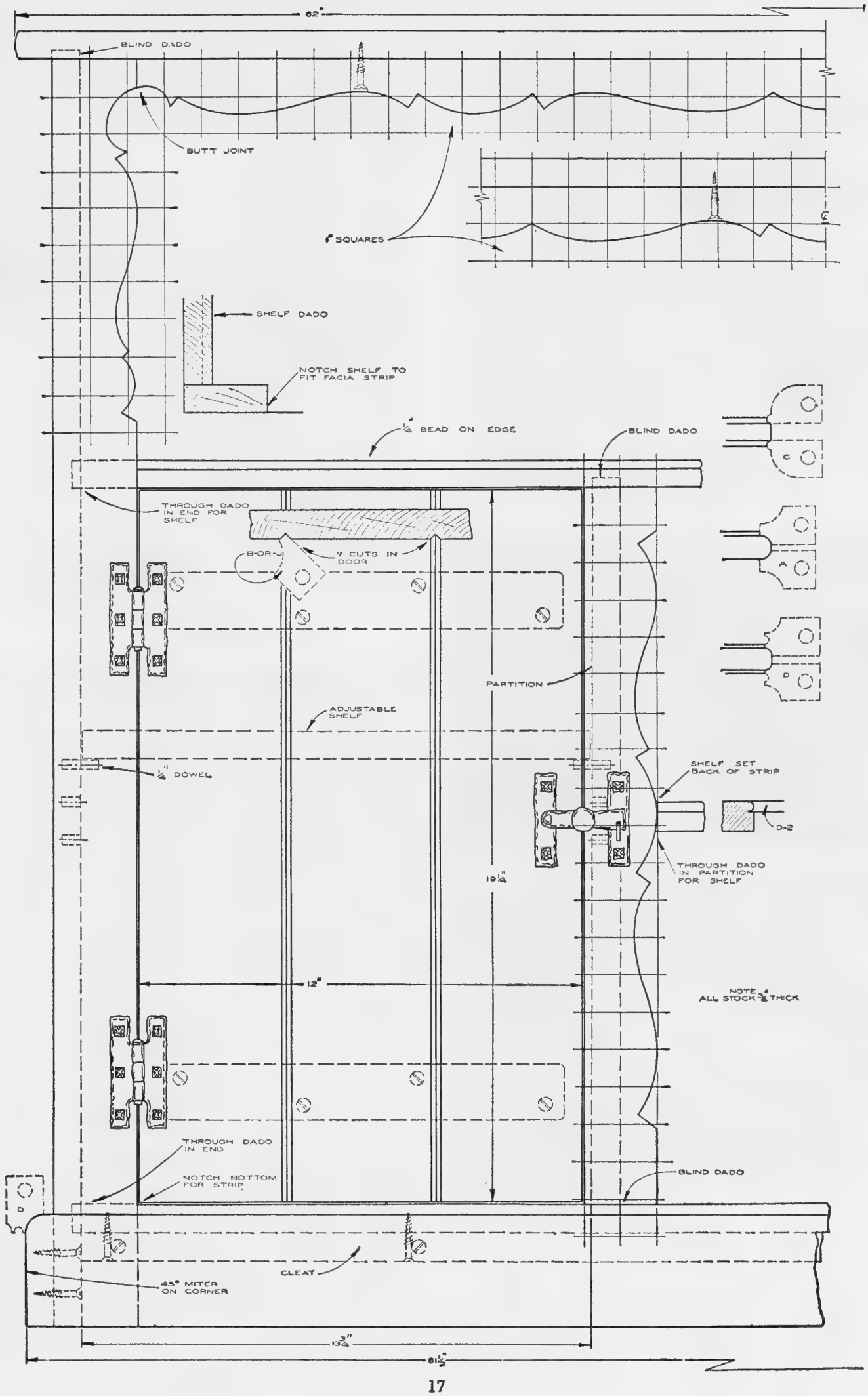
COLONIAL BOOKCASE

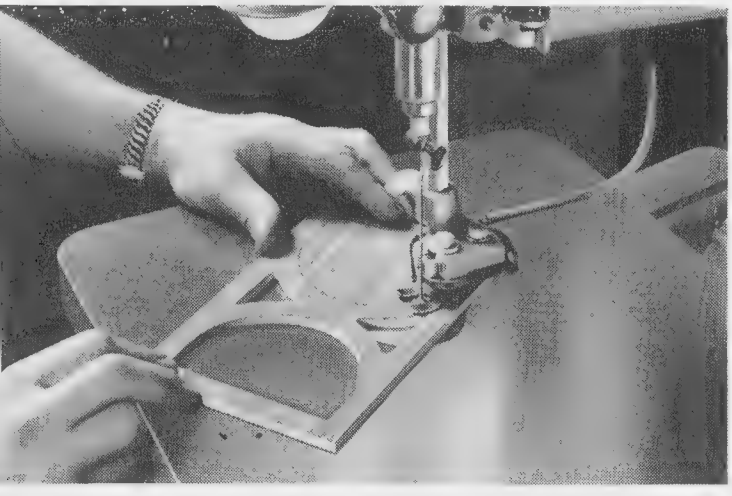
BUILT FROM KNOTTY PINE

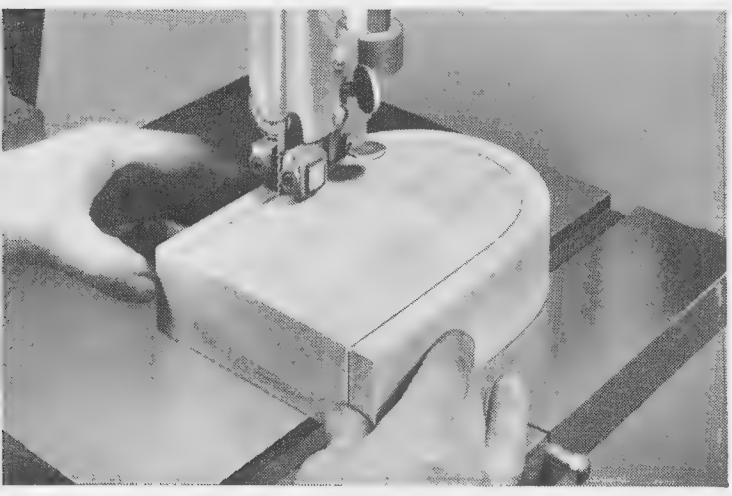


☆ This colonial bookcase of knotty pine will add warmth and charm to any room. The construction is all very simple and all of the details and dimensions are shown in the drawings on this and the following page. Finish the bookcase with several coats of orange shellac or one of the modern flat stain wax finishes.




62"
BLIND DADO
BUTT JOINT
6" SQUARES
SHELF DADO
NOTCH SHELF TO FIT FACIA STRIP
¼" BEAD ON EDGE
BLIND DADO
THROUGH DADO IN END FOR SHELF
B-OR-J
V CUTS IN DOOR
PARTITION
ADJUSTABLE SHELF
¼" DOWEL
SHELF SET BACK OF STRIP
D-2
THROUGH DADO IN PARTITION FOR SHELF
19¼"
12"
NOTE ALL STOCK ¾" THICK
THROUGH DADO IN END
NOTCH BOTTOM FOR STRIP
BLIND DADO
CLEAT
45° MITER ON CORNER
13¾"
C
A
D



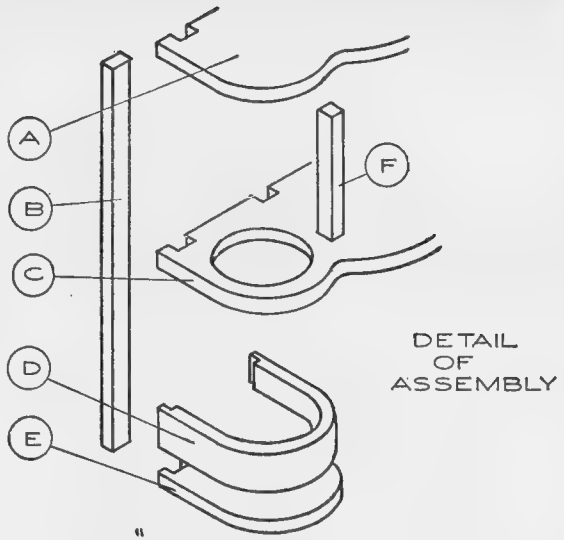


The cut-out pieces in the center photo are scroll cut on the jig saw.

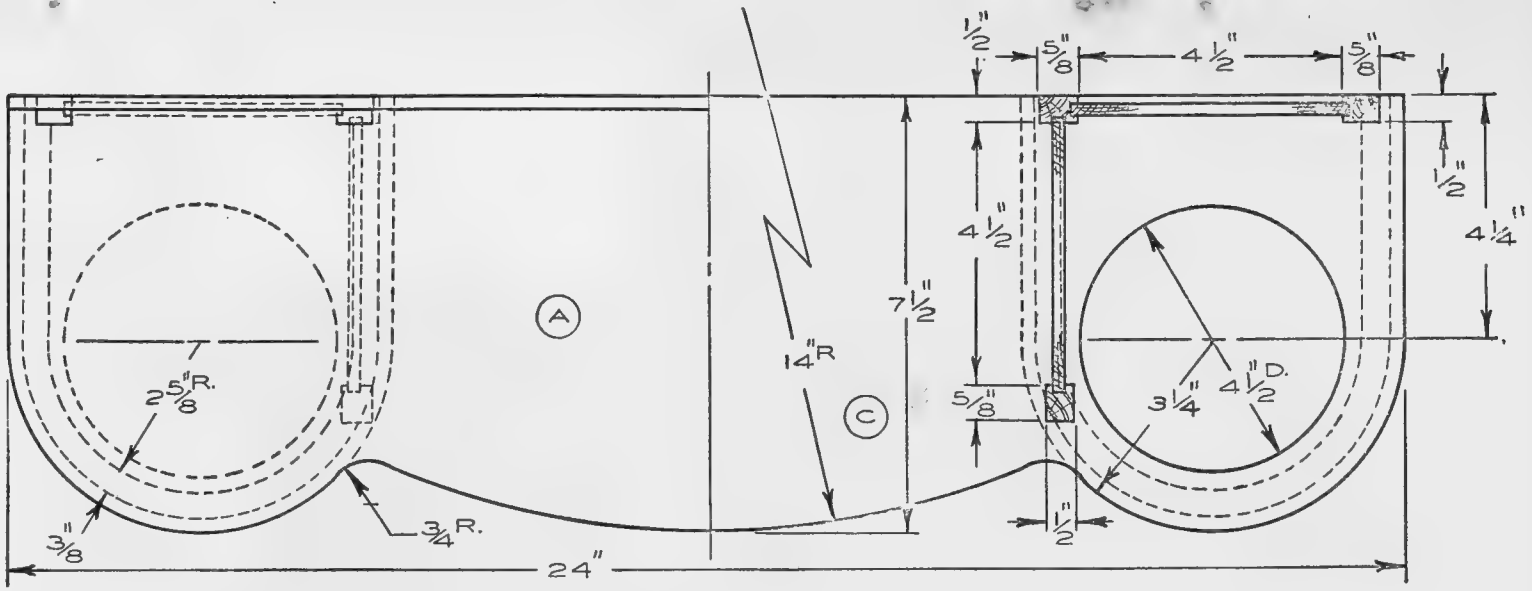
Lower photo shows how the half-round sections of the flower compartment are cut on the band saw.

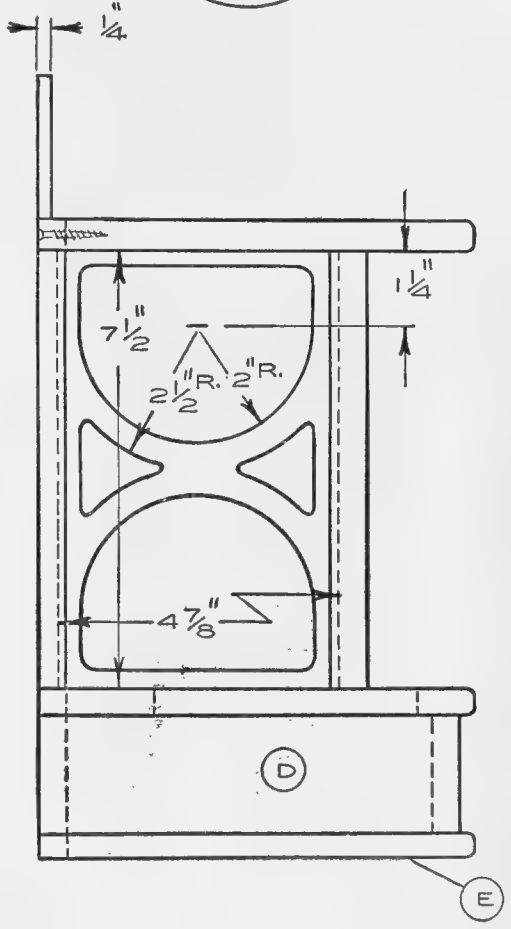
WALL SHELF and FLOWER HOLDER

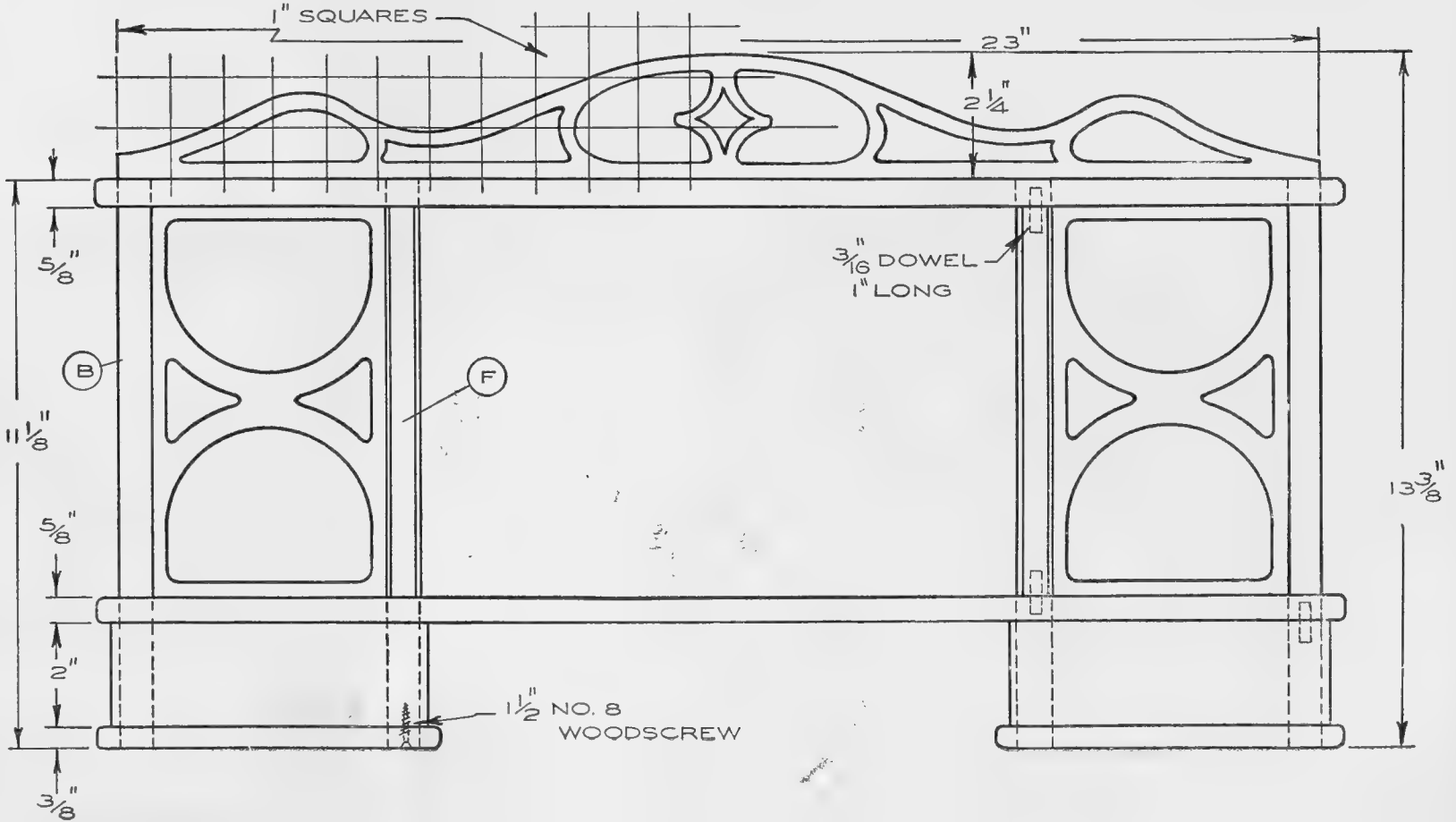
☆ For the craftsman who likes scroll work, this project is not too complicated to make. Plywood is used throughout except for the curved flower pot holders. The easiest way to make up the scrolled pieces is to lay out the design on a piece of cardboard and trace each piece to be cut with this template. The drawing shows all the outer edges of the shelves and scrolled pieces shaped with a round edge, these could be left straight. If birch plywood is used, stain mahogany or walnut and apply two thin coats of white shellac and follow with wax. To prevent water from damaging the bases of the shelf, use small metal trays or saucers.



DETAIL OF ASSEMBLY







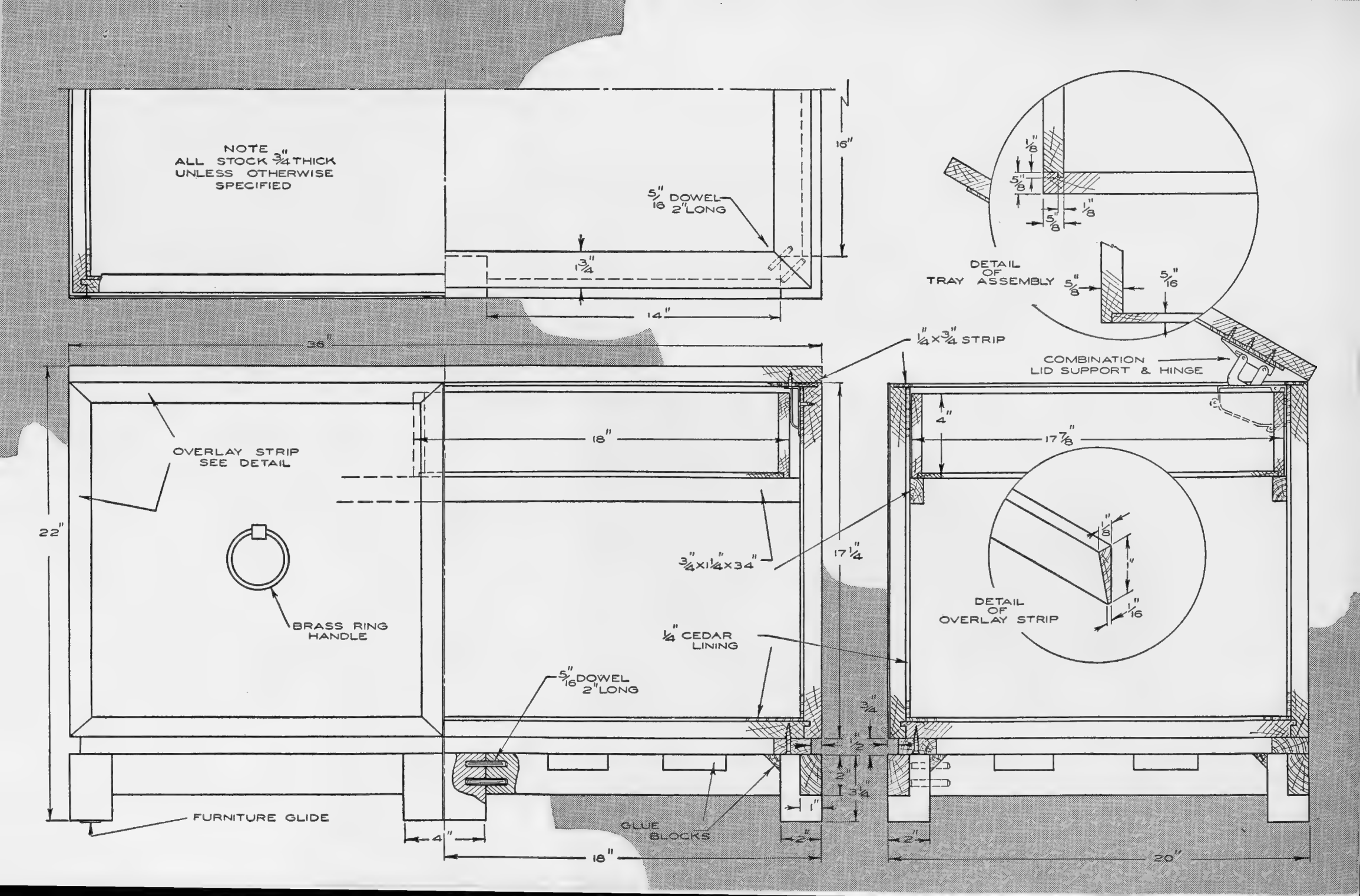
The design of the cedar chest shown in the photographs give the effect of a double door cabinet. The door design shown on the face is false and the chest may be opened by raising the lid. The brass ring hardware adds to this effect.

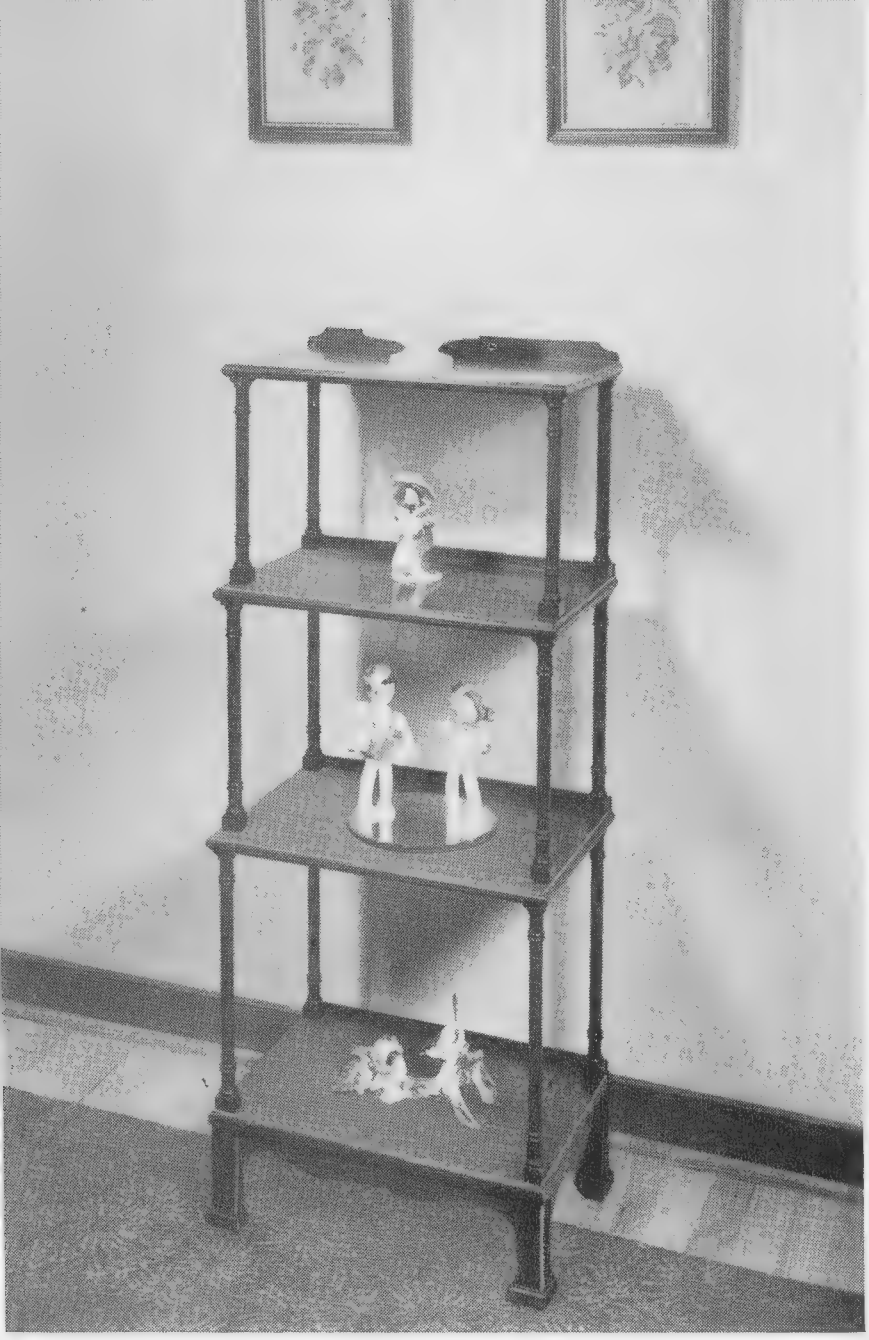
CEDAR CHEST

☆ This attractive cedar chest in modern design is easy to build from the plan drawing shown on the following page. The outside construction of the original was all primavera panel with edge and solid frame strips of birch. The chest is lined with ¼ inch cedar lumber, and the removable tray is constructed from ⅝ inch cedar. The outside of the tray only is finished natural by applying first white shellac and then spar varnish.

BILL OF MATERIAL

Req.	*Name*	*Size*
1—	Top	¾x20x36"
2—	Side	¾x19⅞x17¼"
1—	Bottom	¾x18⅞x35"
2—	Front and Back	¾x17¼x35"
2—	Frame Front and Back	¾x1¾x35"
2—	Frame Side	¾x1¾x19½"
4—	Corner Leg	2x2x3¼"
1—	Center Leg	2x4x3¼"
2—	Front Leg Spacer	1x2x14"
2—	Side Leg Spacer	1x2x16"
1—	Back Leg Spacer	1x2x32"
4—	Overlay Strip End	⅛x1x17¼"
4—	Overlay Strip (Top & Bot.)	⅛x1x17-13/16"
	Glue Block Stock	¾x¾x36"
	CEDAR	
2—	Lining End	¼x16¼x18⅜"
2—	Lining Front and Back	¼x16¼x34½"
1—	Lining Bottom	¼x18⅜x34½"
1—	Lining Top	¼x17⅝x33¾"
2—	Tray Support	¾x1¼x34"
2—	Top Strip (Fr. and Back)	¼x¾x35½"
2—	Top Strip End	¼x¾x19⅜"
2—	Side Tray	⅝x4x16⅞"
2—	Tray Front and Back	⅝x4x18"
1—	Tray Bottom	5/16x17¼x17⅜"


NOTE
ALL STOCK 3/4" THICK
UNLESS OTHERWISE
SPECIFIED
5/16" DOWEL
2" LONG
16"
1 3/4"
14"
DETAIL
OF
TRAY ASSEMBLY
1/8"
5/8"
1/8"
5/8"
5/8"
5/16"
36"
1/4" x 3/4" STRIP
COMBINATION
LID SUPPORT & HINGE
4"
17 7/8"
18"
OVERLAY STRIP
SEE DETAIL
22"
17 1/4"
3/4" x 1 1/4" x 34"
BRASS RING
HANDLE
1/4" CEDAR
LINING
DETAIL
OF
OVERLAY STRIP
1/8"
1"
1/16"
5/16" DOWEL
2" LONG
3/4"
1/2"
2"
3 1/4"
1"
FURNITURE GLIDE
GLUE
BLOCKS
4"
18"
2"
2"
20"



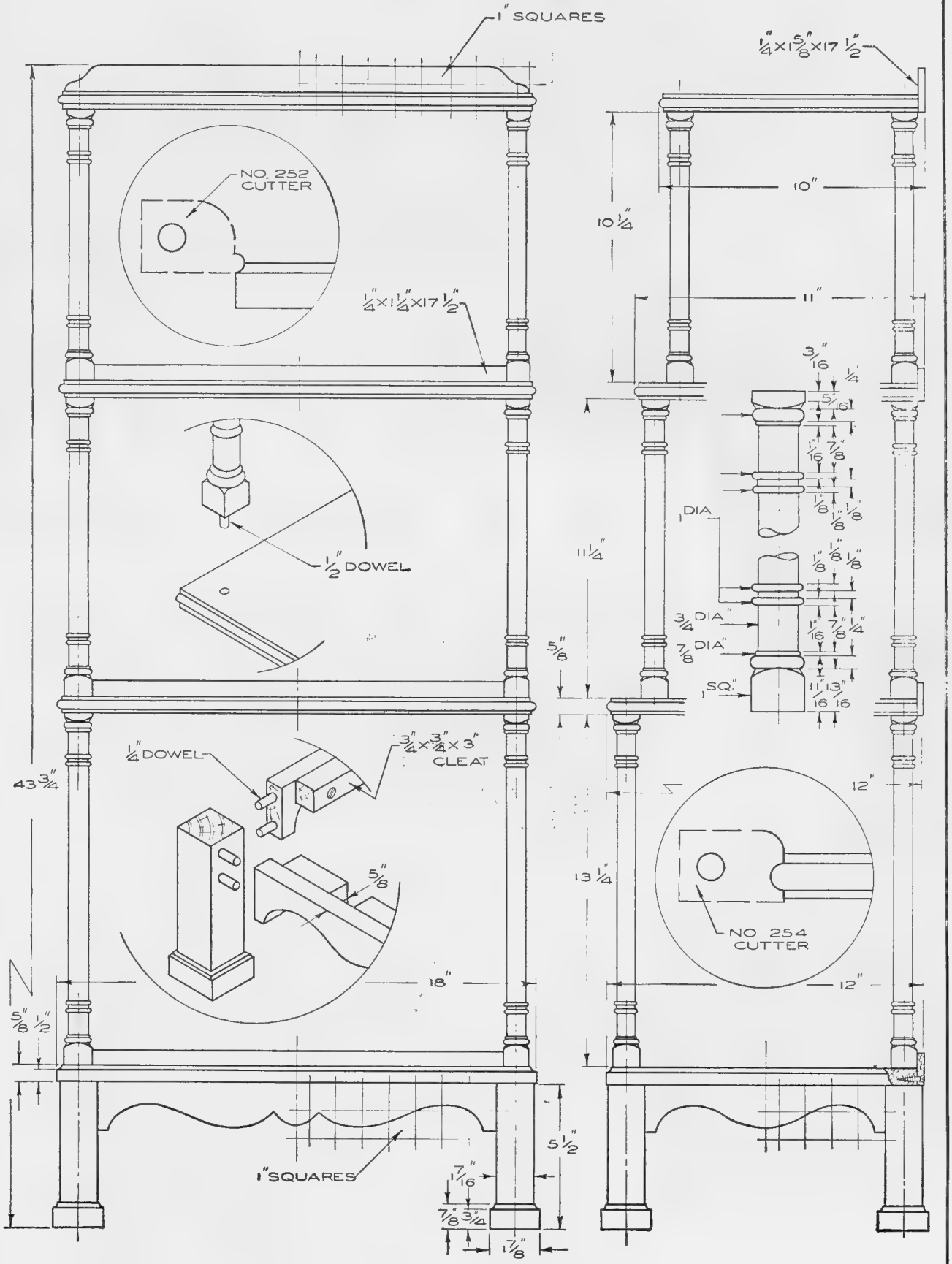
BUILD THIS ATTRACTIVE PIER SHELF

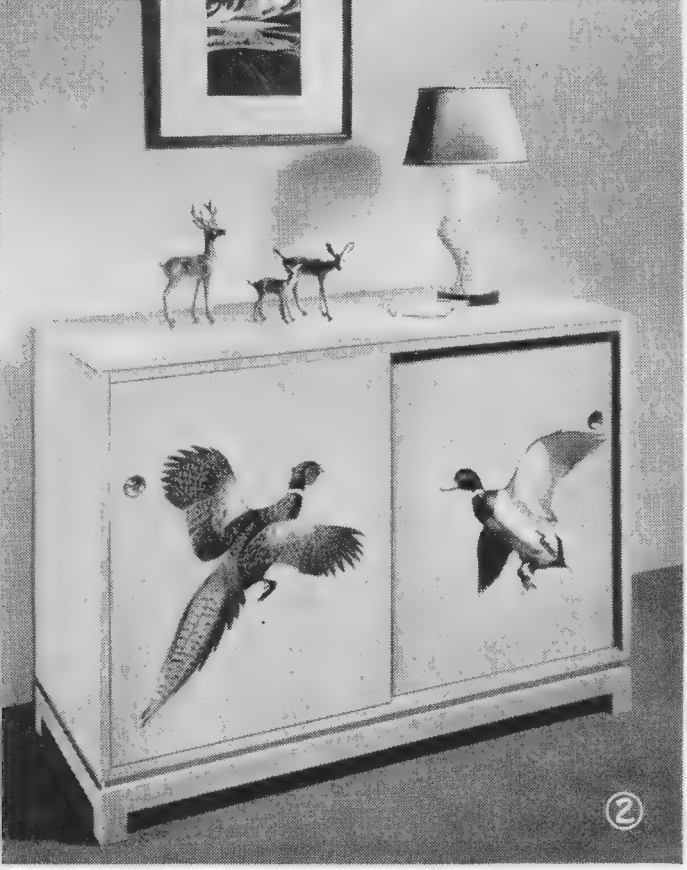
☆ A matching piece of furniture for the lamp table shown on page 28 of this issue would be the pier shelf shown at the left. The turnings which separate the various shelves were designed to match the turnings on the lamp table. The two pieces should, of course, be built from the same lumber. After the pedestal turnings are completed on the lathe the various shelves should be cut to size and the mouldings run on the edges as shown in the drawing on the next page. The legs should be cut as shown in the drawing and the stretchers should be band sawed from ⅝" stock according to the pattern shown in the squared section of the drawing on page 23.

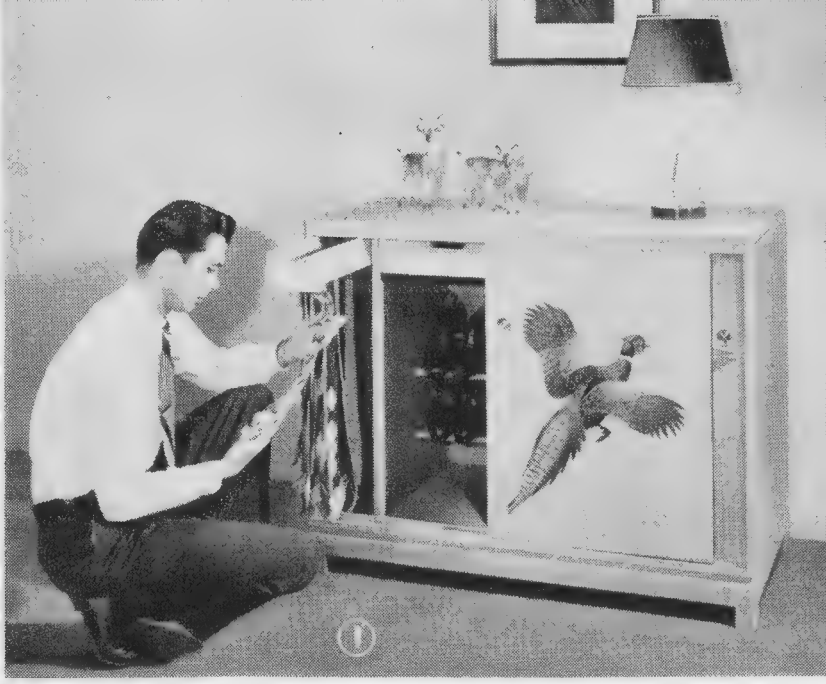
The various tiers are held together with glue and dowels through the ends of the turnings. There is also a strip on the back edge of each shelf which is screw fastened to the shelf and to the square section of the turning above. The base is fastened together with dowels and glue as shown in the detail, and glue blocks are used to fasten the frame to the underside of the lower shelf. Screws are used through these blocks for added strength. The finish of the project should be the same as for the lamp table.

BILL OF MATERIAL

	Name	*Req.*	*Size*
	Top Shelf	1	⅝ x 9¾ x 18
	Second Shelf	1	⅝ x 10¾ x 18
	Third Shelf Bottom Shelf	2	⅝ x 11¾ x 18
(top)	Column upright	4	1 x 1 x 10¼
(middle)	Column upright	4	1 x 1 x 11¼
(bottom)	Column upright	4	1 x 1 x 13¼
	Leg	4	1⅞ x 1⅞ x 5½
	Front rail	1	⅝ x 1¾ x 15
	Side rail	2	⅝ x 1¾ x 9
	Back rail	1	⅝ x 1¾ x 15
(second) (third) (bottom)	Back stop Back stop Back stop	3	¼ x 1¼ x 17½
(top)	Back stop	1	¼ x 1⅝ x 17½
	Cleat	10	¾ x ¾ x 3
	Dowel		¼ dia. x 18
	Dowel		½ dia. x 44


1" SQUARES
NO. 252 CUTTER
¼"×1¼"×17½"
½" DOWEL
¼" DOWEL
¾"×¾"×3" CLEAT
43¾"
5⅝"
5⅛"
18"
1" SQUARES
5½"
1⅞"
¼"×1⅝"×17½"
10"
10¼"
11"
3/16"
¼"
5/16"
1/16"
7/8"
1/8"
1" DIA
11¼"
¾" DIA"
⅞" DIA"
1" SQ."
13/16"
13"
12"
13¼"
NO 254 CUTTER
12"





WARDROBE CABINET

FOR A MAN'S ROOM

☆ Here is a practical piece of furniture for a man's room or den where storage space is at a premium. The cabinet shown here was built from oak lumber and finished in a rather unusual way. The finish consists of one coat of gray enamel which is allowed to soak into the pores and dry thoroughly. It is then polished lightly with steel wool and a filler of flat white paint is then brushed on and wiped off across the grain. After this has thoroughly dried a final coat of wax is applied.

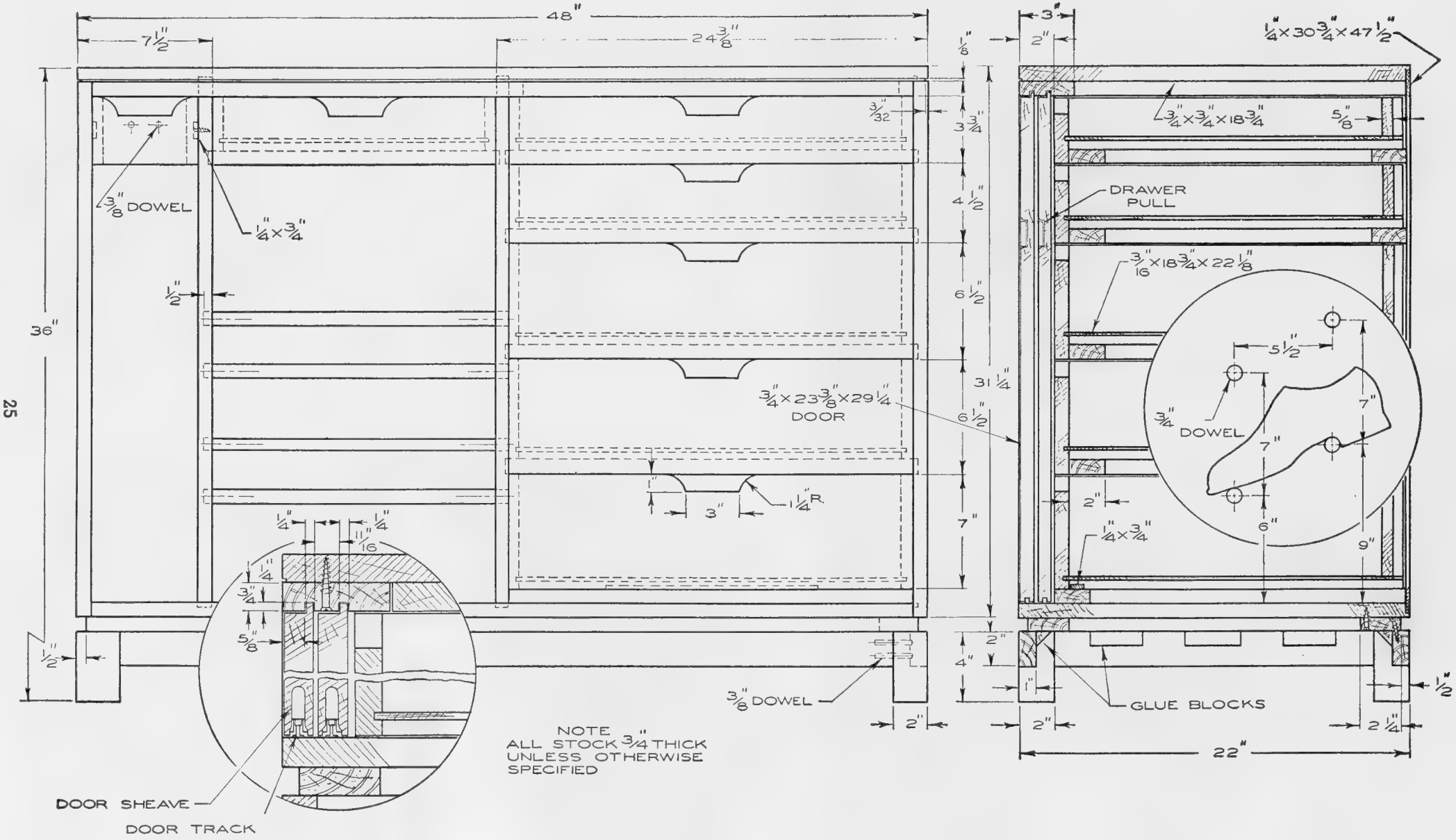
A large amount of drawer space is provided in this cabinet for a variety of things, including ties. The tie drawer which is at the extreme left has an open frame with two dowels running the length of the drawer over which the necktie is hung. Shoes are stored on the rack formed by dowels as shown in the drawing.

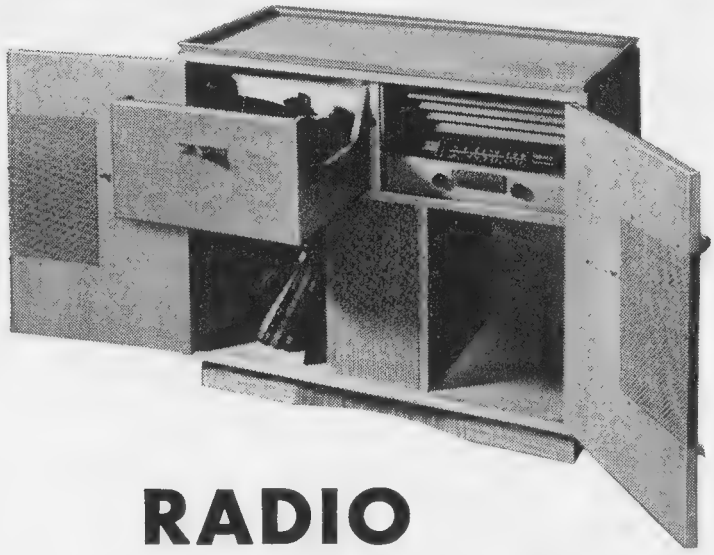
If you are handy with the artist's paint brushes you may like to duplicate the game birds which are painted on the sliding doors of the cabinet. You may be able to obtain decals for such decorations if the painting is impractical.

BILL OF MATERIAL

Name	Size
Top (1)	3/4x22x48
Side (2)	3/4x22x30 3/4
Bottom (1)	3/4x22x47
Back (1)	1/4x30 3/4x47 1/2
Partition (2)	3/4x19 3/4x30 1/4
Door (2)	3/4x23 3/8x29 1/4
Base Side Rail (2)	1x2x18
Base Front Rail (1)	1x2x44
Base Back Rail (1)	
Base Spacer Frame Front (1)	3/4x2 1/4x47
Base Spacer Frame Back (1)	3/4x2 1/4x42 1/2
Base Spacer Frame Side (1)	3/4x2 1/4x21
Base Leg (4)	2x2x4
Drawer Frame Side (12)	3/4x2x17
Drawer Frame Back (4)	3/4x2x19 3/8
Drawer Frame Back (1)	3/4x2x12 5/8
Drawer Frame Front (5)	3/4x2x23 3/8
Drawer Frame Front (1)	3/4x2x16 5/8

Name	Size
Drawer Front (1)	3/4x3 3/4x22 7/8
Drawer Front (1)	3/4x4 1/2x22 7/8
Drawer Front (2)	3/4x6 1/2x22 7/8
Drawer Front (1)	3/4x7x22 7/8
Drawer Front (1)	3/4x3 3/4x6
Drawer Front (1)	3/4x3 3/4x16 1/8
Drawer Back (1)	5/8x2 1/4x22 1/8
Drawer Back (1)	5/8x2 1/4x15 3/8
Drawer Back (1)	5/8x3 3/4x5 1/4
Drawer Back (1)	5/8x3x22 1/8
Drawer Back (2)	5/8x5x22 1/8
Drawer Back (1)	5/8x6 1/4x22 1/8
Drawer Side (4)	5/8x3x19 1/2
Drawer Side (2)	5/8x3 3/4x19 1/2
Drawer Side (4)	5/8x5 3/4x19 1/2
Drawer Side (2)	5/8x7x19 1/2
Drawer Bottom (1)	3/16x15 3/8x19 1/2
Drawer Bottom (5)	3/16x18 3/4x22 1/8
Drawer Slide (2)	1/4x3/4x19 1/2
Drawer Stop (1)	1/4x3/4x10
Door Slide Rail (1)	3/4x3x46 1/2
Dowel (4)	3/4 diam. x 17 3/8
Dowel (2)	3/8 diam. x 18 3/4
Dowel (52)	5/16 diam. x 2 1/2
Dowel (16)	3/8 diam. x 2 1/2
Drawer Support (2)	3/4x3/4x18 3/4
Glue Block	3/4x3/4x27


48"
7½"
24⅜"
⅛"
3"
2"
1¼×30¾×47½"
3/32"
3¾"
4½"
6½"
31¼"
6½"
7"
36"
½"
3/8" DOWEL
¼×¾"
¾×¾×18¾"
5/8"
DRAWER PULL
3/16×18¾×22⅛"
3/4×23⅜×29¼
DOOR
1¼"R.
3"
5½"
7"
¾" DOWEL
7"
6"
9"
2"
¼×¾"
¼"
11/16"
¾"
5/8"
2"
4"
1"
½"
3/8" DOWEL
GLUE BLOCKS
2"
2"
2¼"
22"
NOTE
ALL STOCK ¾" THICK
UNLESS OTHERWISE
SPECIFIED
DOOR SHEAVE
DOOR TRACK



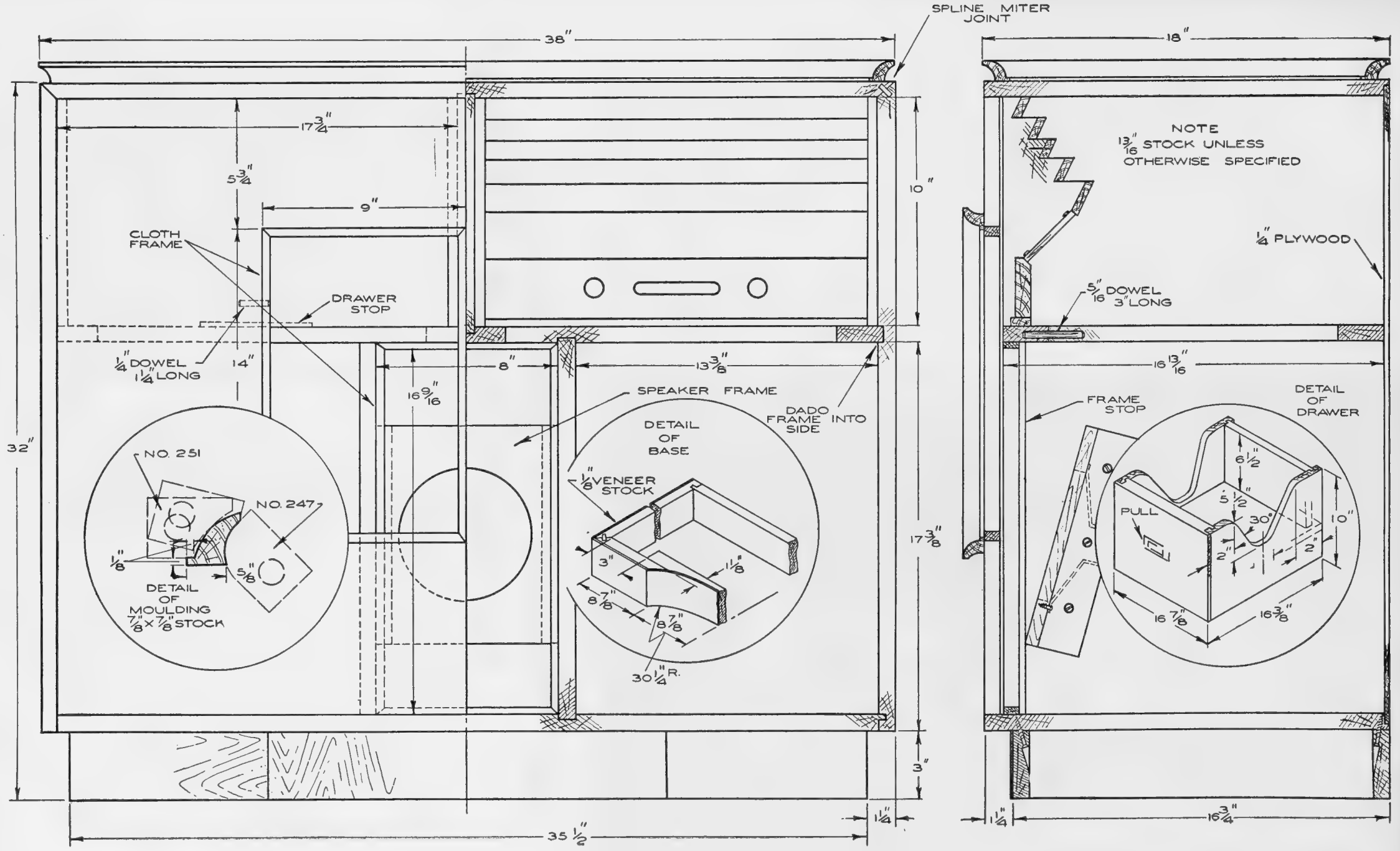
RADIO COMBINATION

☆ Here is another modern design for a radio combination cabinet for the home. The model shown in the photographs above was built from prima vera panel. This panel, when it is to be finished natural, can be matched with birch or maple and the finish will be identical. All of the solid wood which was used for edging, molding strips, and solid frame material in the original was birch.

The radio and record compartments may be varied slightly depending on the sets which you wish to install. The speaker is usually removed from the radio proper and extra lead wires are attached so that the speaker may be mounted in a different position. In the cabinet shown here the speaker is mounted behind the cloth frame in the lower section. There is also a cloth frame in the doors of the cabinet shown above which allows the radio or phonograph to be played while the cabinet is completely closed. All details of construction are shown in the drawing on the following page.

BILL OF MATERIAL (COMBINATION)

No. Req.	Name	Size
2	Base Fronts	$\frac{13}{16}$" x 3" x 12"
2	Base Ends	$\frac{13}{16}$" x 3" x 16¾"
1	Base Reinforcement	1⅛" x 3" x 28"
1	Back of Base	$\frac{13}{16}$" x 3" x 34½"
2	Veneer for Fronts of Base	⅛" x 3" x 12"
1	Veneer for Base Center	⅛" x 3" x 17"
2	Veneer for Ends of Base	⅛" x 3" x 16¾"
1	Drawer Front	$\frac{13}{16}$" x 10" x 16⅞"
2	Drawer Sides	⅝" x 10" x 16⅛"
1	Drawer Back	⅝" x 6½" x 16⅛"
1	Drawer Bottom	⅝" x 16⅛" x 16"
2	Mouldings for Top	⅞" x ⅞" x 60"
1	Moulding for Doors	⅞" x ⅞" x 72"
1	Top of Cabinet	$\frac{13}{16}$" x 18" x 38"
2	Sides of Cabinet	$\frac{13}{16}$" x 18" x 29"
1	Bottom of Cabinet	$\frac{13}{16}$" x 18" x 36⅞"
1	Upper Center Section	$\frac{13}{16}$" x 16$\frac{15}{16}$" x 10½"
2	Lower Section Pieces	$\frac{13}{16}$" x 16$\frac{15}{16}$" x 17$\frac{3}{16}$"
1	Front of Drawer and Radio Frame	$\frac{13}{16}$" x 2" x 36⅞"
2	Ends of Drawer and Radio Frame	$\frac{13}{16}$" x 2" x 15$\frac{3}{16}$"
1	Back of Drawer and Radio Frame	$\frac{13}{16}$" x 2" x 32⅞"
1	Center Crosspiece of Drawer and Radio Frame	$\frac{13}{16}$" x 3½" x 13$\frac{3}{16}$"
1	Speaker Frame to Suit Size of Speaker	$\frac{13}{16}$" x 3½" x 13$\frac{3}{16}$"
2	Speaker Frame Cleats	¾" x 2" x 12"
2	Cloth Frame Stop Ends for Loud Speaker	⅜" x ¾" x 16⅝"
2	Top and Bottom of Cloth Frame Stop Ends for Loud Speaker	⅜" x ¾" x 8"
2	Cloth Frame Ends for Loud Speaker	⅜" x ¾" x 16$\frac{3}{16}$"
2	Top and Bottom of Cloth Frame Ends for Speaker	⅜" x ¾" x 7$\frac{15}{16}$"
4	Cloth Frame Ends for Door	⅜" x ¾" x 13$\frac{15}{16}$"
4	Top and Bottom of Cloth Frame for Door	⅜" x ¾" x 8$\frac{15}{16}$"
1	Drawer Stop	$\frac{5}{16}$" x ¾" x 5"
22	Screws for Base and Speaker Frame Cleats	#10—1½"
4	Dowels for Door Cloth Frames	¼" x 1¼"
12	Dowels for Radio and Cabinet Frame	$\frac{5}{16}$" x 3"
1	Panel for Back	¼" x 28½" x 37½"
2	Doors	$\frac{13}{16}$" x 18⅛" x 27⅜"
4	Concealed Type Hinges	
*2	Filler Strips for Sides of Drawer	$\frac{7}{16}$" x 1" x 10"


SPLINE MITER JOINT
38"
18"
17 3/4"
5 3/4"
9"
10"
CLOTH FRAME
DRAWER STOP
1/4" DOWEL 1 1/4" LONG
14"
8"
13 3/8"
16 9/16"
SPEAKER FRAME
DADO FRAME INTO SIDE
32"
17 3/8"
NO. 251
NO. 247
1/8"
5/8"
DETAIL OF MOULDING 7/8" X 7/8" STOCK
DETAIL OF BASE
1/8" VENEER STOCK
3"
1 1/8"
8 7/8"
8 7/8"
30 1/4" R.
NOTE
13/16" STOCK UNLESS OTHERWISE SPECIFIED
1/4" PLYWOOD
5/16" DOWEL 3" LONG
16 13/16"
FRAME STOP
DETAIL OF DRAWER
6 1/2"
5 1/2"
30°
10"
PULL
2"
2"
16 7/8"
16 3/8"
3"
1 1/4"
35 1/2"
1 1/4"
16 3/4"

Use Walnut or Mahogany for this LAMP TABLE

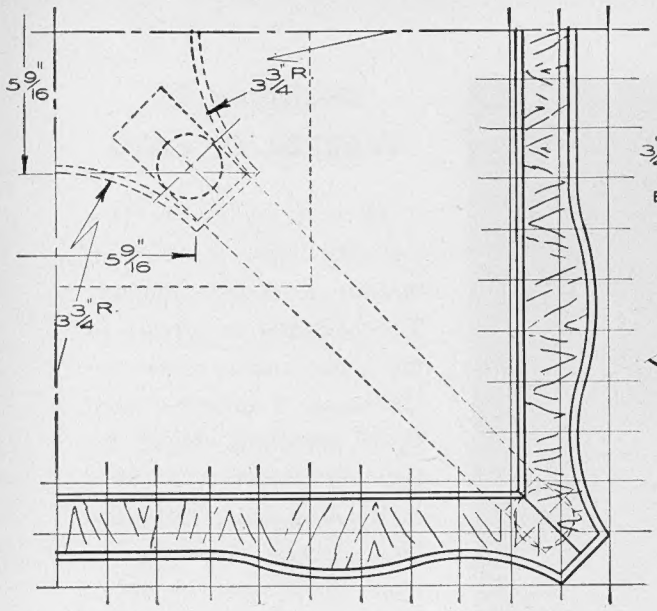
☆ This lamp table is styled to match your period furniture and should be very attractive when built from walnut or mahogany lumber. The top of the table is covered with matched burl veneer with a white inlay banding around the outer edge as shown in the photograph and drawing. On the outside of this white band is a strip of straight-grained veneer. The balance of the table is built from regular solid lumber according to the plan on the following page.

Band saw the table top and the sub-top from solid lumber glued up to the correct width. Set up the shaper and run the moulded edges as shown on the drawing. The top and sub-top are held together by means of the drawer housing and the four turned corner posts. The upper base is screw fastened to the under side of the sub-top. The four legs should be band sawed from special stock glued up with a layer of cross-grain veneer in the center for added strength. The legs are then doweled to the lower base and the two bases are held together by the four turned posts.

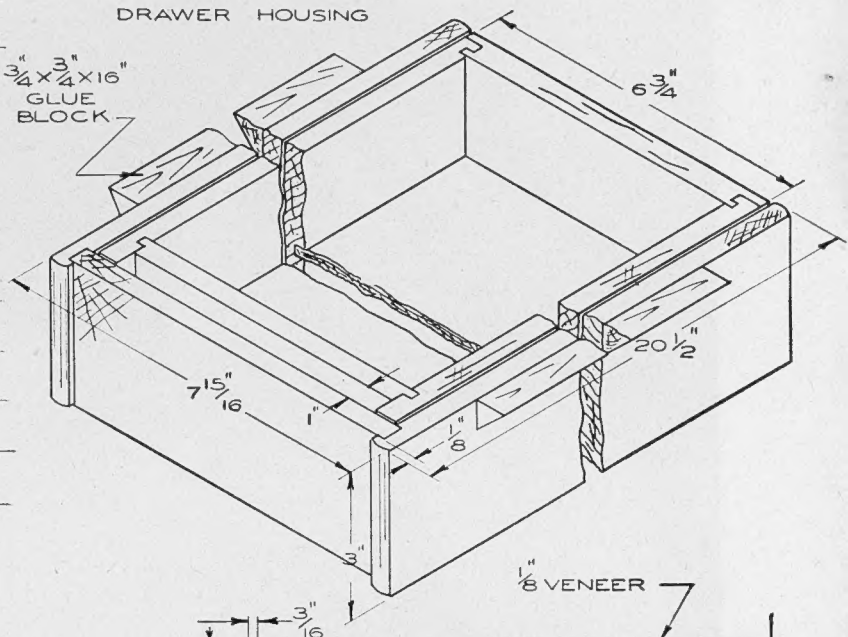
A walnut or mahogany stain should be used for the finish, followed by a matching filler, after which the table should be shellacked and varnished.

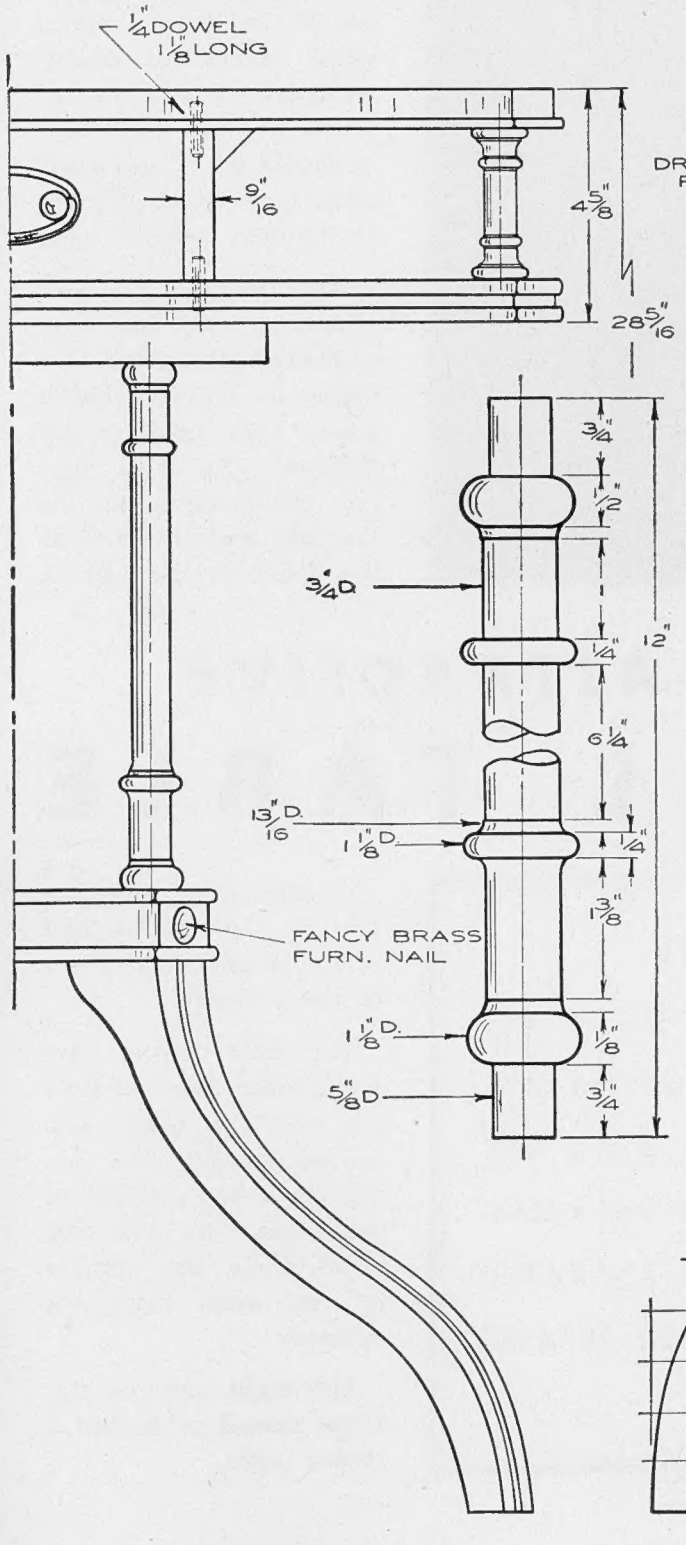
BILL OF MATERIAL

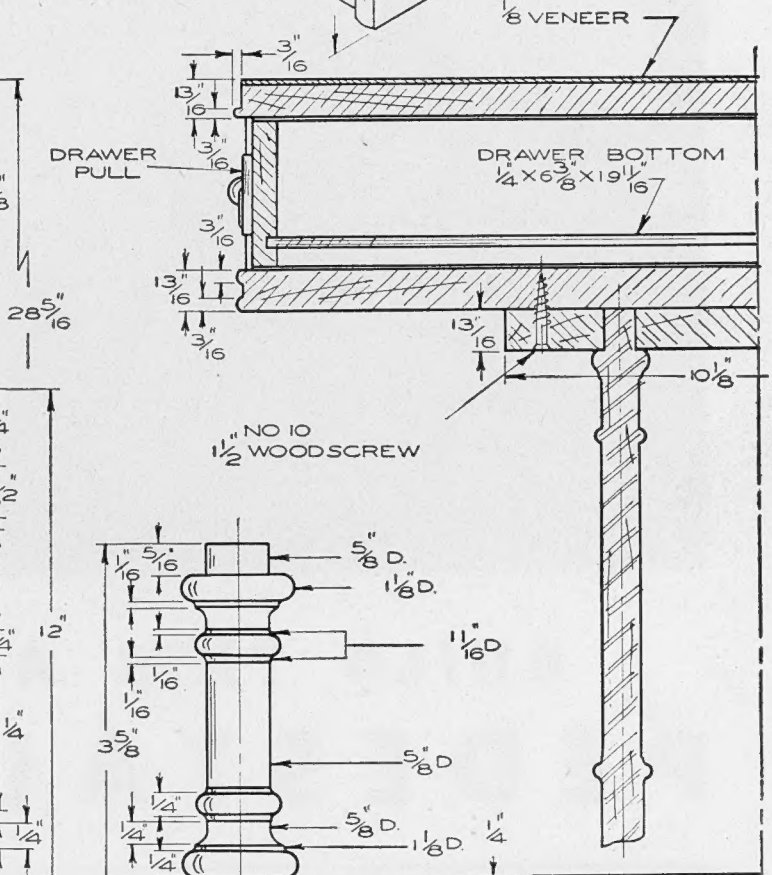
Name	*No.*	*Size*
Top (Upper Section)—		
Top solid	1	11/16 x 22 x 22
Top veneer	1	1/8 x 22 x 22
Top (Lower Section)	1	13/16 x 22 x 22
Turned spacers	4	1 1/8 diam. x 3 5/8
Top support	1	13/16 x 10 1/8 x 10 1/8
Support column	4	1 1/8 diam. x 12
Lower base	1	1 3/8 x 8 1/4 x 8 1/4
Leg stock—outer pieces	8	5/8 x 3 1/2 x 17
inner pieces	4	1/8 x 3 1/2 x 17
Drawer side		7/16 x 3 x 19 1/2
Drawer front		9/16 x 3 x 6 3/4
Drawer back		7/16 x 3 x 6 3/8
Drawer bottom		1/4 x 6 3/8 x 19-11/16
Drawer housing side		9/16 x 3 x 20 1/2
Drawer housing back		9/16 x 3 x 7-5/16
Glue block	2	3/4 x 3/4 x 16
Dowel		3/8 diam. x 16
Dowel		1/4 diam. x 18

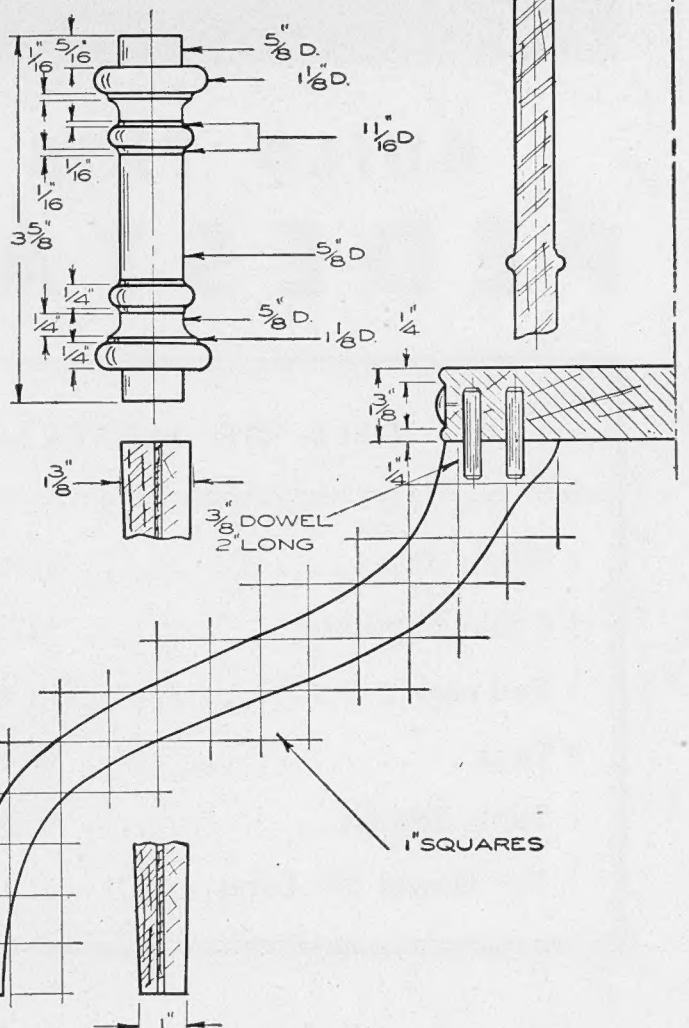


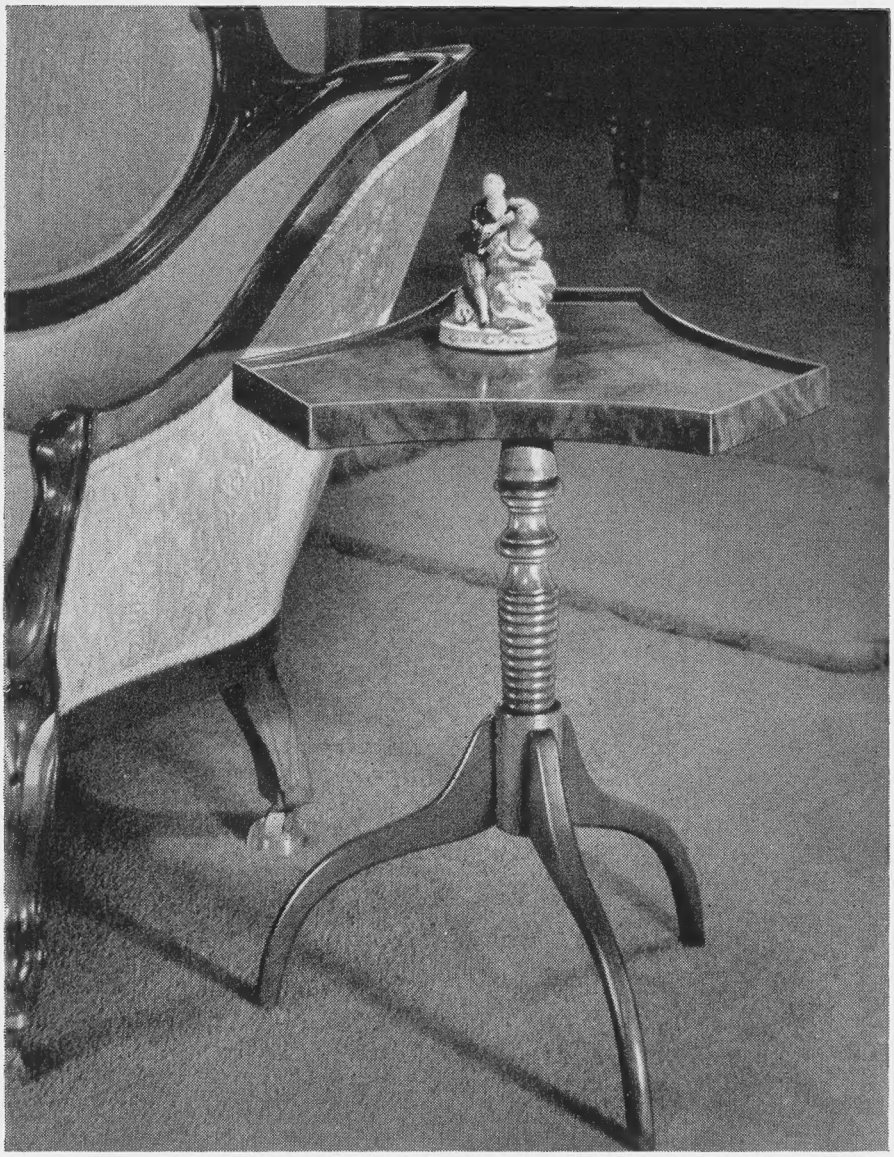
DETAIL OF DRAWER AND DRAWER HOUSING











Designed by
WALTER O. CAVE

☆ Here is an attractive pedestal table built from walnut or cherry lumber. The pedestal is turned in the lathe, and to make the job easier a full-size cardboard template should be laid out from the drawing on the next page. The three legs should be built up from three layers of wood. The two outside layers should be solid lumber, either walnut or cherry whichever you have selected, and the center layer should be ⅛" plywood which gives added strength to the thin contour legs.

After this stock has been glued up the legs are band-sawed to shape and drilled for the ¼" dowels which hold them to the pedestal. The table support should be turned on the lathe and drilled to fit the tenon on the end of

BUILD THIS ATTRACTIVE
PEDESTAL TABLE

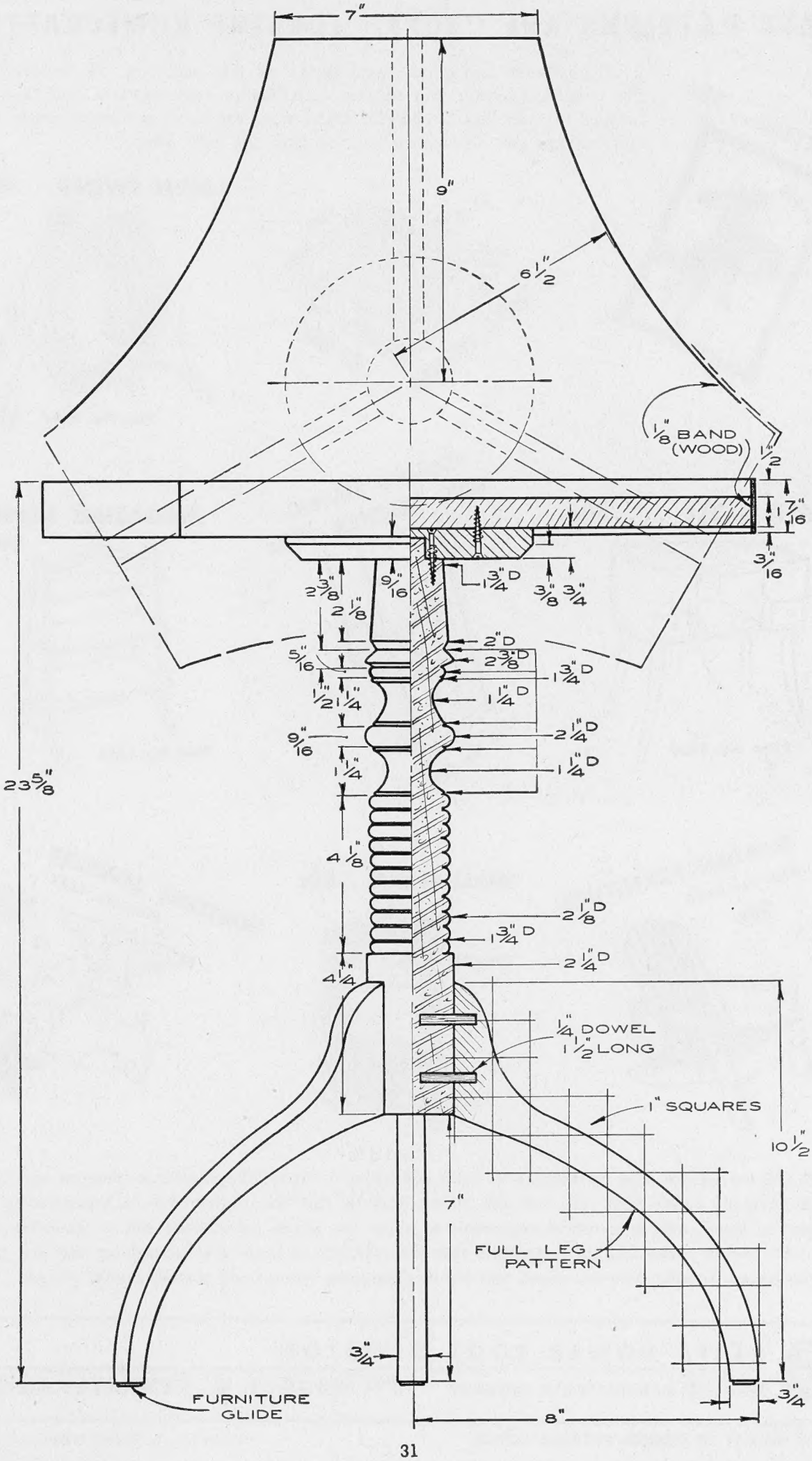
BILL OF MATERIAL

1	Table Top	¾"x 19⅜"x 19⅜"
1	Table Support	¾"x 6½"x 6½"
1	Pedestal	2¼"x 2¼"x 15¼"
3	Legs	¾"x 2¾"x 13½"
1	Table Edging	⅛"x 1-7/16"x 60"
1	¼" Dowel 12" Long	

the pedestal.This table support is then glued and screw fastened to the top of the pedestal.

The table top is next band-sawed from ¾" lumber and the edges are sanded smooth. The ⅛" binding is now fastened to the edges with glue and small brads. The corners of this wood band are mitered.

The table may be finished natural or stained a darker color.


7"
9"
6 1/2"
1/8" BAND (WOOD)
1 1/2"
1 7/16"
3/16"
2 3/8"
9/16"
1 3/4" D
3/8"
3/4"
2 1/8"
2" D
5/16"
2 3/8" D
1 3/4" D
1/2"
1 1/4"
1 1/4" D
9/16"
2 1/4" D
1 1/4"
1 1/4" D
23 5/8"
4 1/8"
2 1/8" D
1 3/4" D
4 1/4"
2 1/4" D
1/4" DOWEL
1 1/2" LONG
1" SQUARES
10 1/2"
7"
FULL LEG PATTERN
3/4"
3/4"
FURNITURE GLIDE
8"

DELTA PATTERNS ARE "TOPS" FOR THE HOMECRAFTER

The patterns and plan sheets shown on this page are, we believe, the best available today. Not only is each design very cleverly done and an original in itself, but in addition, instructions are so clear and so simple that most anyone can do an excellent job from the very start.

SILHOUETTES . . 25c

DOLL HOUSE . . . $1.00

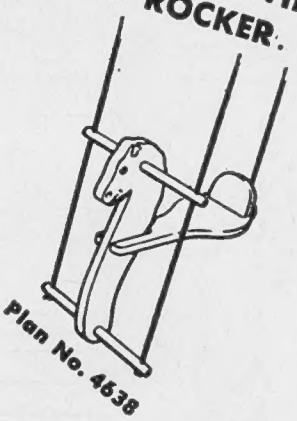
LAWN SWING . . . 50c

Plan No. 4657

PLANT TABLE 50c

Plan No. 4650

CHILD'S SWING AND ROCKER . . 25c



Plan No. 4638

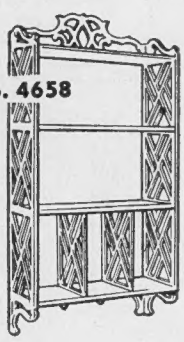
MAGAZINE STAND 50c

Plan No. 4656

GARDEN FURNITURE
Plan No. 4635.
50c

WALL SHELF . . 50c

Plan No. 4658



COSTUME JEWELRY 25c
Plan No. 4632

PERHAPS the easiest way for anyone to build something is from full-scale large patterns and plans which in many cases show the full size pieces that go into the project that is being made. Of course, on some units it is rather impossible to show the pieces all full-size but at the same time you will find in these Deltacraft patterns that the majority of them are full-size so that the parts can be traced directly onto the wood and cut to dimension wihout any further bother of fuss.

DELTA POWER TOOL DIVISION
Rockwell MANUFACTURING COMPANY **PITTSBURGH 8, PENNSYLVANIA**

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